

IRAS API SERVICES INTERFACE SPECIFICATIONS

eStamping

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Version No.: 1.1

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1. Introduction

The Inland Revenue Authority of Singapore (IRAS) provides application programming interface (API) services to allow application developers to submit and retrieve tax related matters using HTTP requests. Most of the APIs will be in the form of a JSON web service which reduces client/server coupling and thus enabling easier integration between IRAS' service with external developers.

There will be a variety of services available in due time. While some services require a simple GET, others may be secured and require credentials that can be passed via HTTP header parameters which are as follows :

X-IBM-Client-Id	String containing the client ID of the application invoking IRAS API. This value will be provided to the application vendor by IRAS. E.g. a1234b5c-1234-abcd-efgh-a1234b5cdef
X-IBM-Client-Secret	String containing the client secret of the application invoking IRAS API. This value will be provided to the application vendor by IRAS. E.g. a12345bC67e8fG9a12345bC67e8fG9a12345bC67e8fG9

This document serves to help developers consume the API services provided by IRAS.

2. Registration at API Portal

Application developers are required to register for an account at <https://apisandbox.iras.gov.sg/> to subscribe to IRAS API services for Sandbox Testing and at <https://apiservices.iras.gov.sg/> for Production.

Note: In order for IRAS to identify your API subscription, please enter your details as follows when creating an account:

- "First name" field: To enter "Name of organisation"
- "Last name" field: To enter "Assigned ID from IRAS for ISDS system"

A computer-generated email will be sent to the subscriber's email account for account activation of the API Portal.

3. Security Aspects

This section describe the security aspects required to connect to this API

3.1 Application Layer

As proof of authenticity, data integrity, and non-repudiation of communications and transactions conducted over the internet between IRAS and external partners, IRAS mandates that the API requests need to be digitally signed using SHA-256 hashing algorithm paired with Private Key Infrastructure (PKI) system. The certificates shall be issued by a trusted CA and need to be tested with IRAS during sandbox testing. Please check with IRAS on the certificate details and testing.

The API requests that are digitally signed using SHA-256 hashing algorithm value has to be pass via the HTTP header as 'signature'.

4. API Services

IRAS will provide several API services for e-stamping of documents. The following sections describe the request and response for each of the services. Each submission cannot be more than 2 MB in data size.

The table below shows the list of e-stamping API services currently available in IRAS.

S/No	Name of API Services	Description	URL
1	eStamp Lease/ Tenancy Agreement	This API can be used to e-stamp Lease/ Tenancy Agreement.	For Sandbox Testing: https://apisandbox.iras.gov.sg/iras/sb/eStamp/StampTenancyAgreement
			For Production Usage: https://apiservices.iras.gov.sg/iras/prod/eStamp/StampTenancyAgreement
2	eStamp Mortgage	This API can be used to e-stamp Mortgage.	For Sandbox Testing: https://apisandbox.iras.gov.sg/iras/sb/eStamp/StampMortgage
			For Production Usage: https://apiservices.iras.gov.sg/iras/prod/eStamp/StampMortgage
3	eStamp Share Transfer	This API can be used to e-stamp Share Transfer.	For Sandbox Testing: https://apisandbox.iras.gov.sg/iras/sb/eStamp/ShareTransfer
			For Production Usage: https://apiservices.iras.gov.sg/iras/prod/eStamp/ShareTransfer
4	eStamp Sale and Purchase of Property	This API can be used to e-stamp Sale and Purchase of Property .	For Sandbox Testing: https://apisandbox.iras.gov.sg/iras/sb/eStamp/SalePurchaseBuyers

S/No	Name of API Services	Description	URL
			For Production Usage: https://apiservices.iras.gov.sg/iras/prod/eStamp/SalePurchaseBuyers
5	eStamp Sale and Purchase of Property (Seller's Stamp Duty)	This API can be used to e-stamp Sale and Purchase of Property (Seller's Stamp Duty).	For Sandbox Testing: https://apisandbox.iras.gov.sg/iras/sb/eStamp/SalePurchaseSellers For Production Usage: https://apiservices.iras.gov.sg/iras/prod/eStamp/SalePurchaseSellers

4.1 General Information

4.1.1 Production Usage

Approval is required to use this service.

Before usage in Production can be granted by IRAS, developers must participate in the Sandbox Testing.

Subscribing to the Production API service

Ensure that the application name created at the developer portal adheres to the following naming convention before attempting to subscribe to the Production API service: {1}_{2}_{3} where

- {1}= Assigned ID from IRAS for ISDS system.
- {2}= Name of organisation
- {3}= eStamping

After approval is granted by IRAS, client application can POST a JSON request object to the production URL.

The following parameters must be populated in the HTTP header:

X-IBM-Client-Id	String containing the client ID of the application invoking IRAS API. This value will be provided to the application vendor by IRAS.
X-IBM-Client-Secret	String containing the client secret of the application invoking IRAS API. This value will be provided to the application vendor by IRAS.
signature	<u>Pseudocode for Generation of Signature</u> BASE64_ENCODE(RSA2048 (PRIVATE_KEY, SHA256 (JSON_CONTENT)))

4.1.2 Common Interface Information

- JSON is case sensitive by specifications.

- All date strings are to be represented in compliance to the [ISO-8601](#) standard.
- All string fields are subject to validation of the following acceptable characters that is allowed (in red):
 - [a-zA-Z0-9'@#()-. /&+ _] (**Note:** whitespace is included)
- All properties follow the camel-case convention.
- Unless stated as optional, all JSON object properties must be specified.
- Unless otherwise specified, all JSON services are invoked using HTTP verb POST.
- All input data format are as specified like the following:

4.1.3 Common Response Payload

All response payloads share the following common fields:

data	Object	The data property will be populated differently based on the API that is being invoked.
returnCode	Integer	10: Success - The request was successfully processed. 20: Warning - The request was successfully processed. However, there are non-fatal issues. Please refer to the “info” object for diagnostic information. 30: Failure – The request was not processed. Refer to “info” object for error information.
info	Object	This complex object holds any diagnostic information that will allow developers to debug their failed requests.
info.message	String	Diagnostic message in the event of warning or error.
Info.messageCode	Integer	Integer code signifying the type of error or warning. 850300: Request object is null – The incoming JSON request is null. 850301: Arguments error – There is an error with one of the arguments provided. 850302: Generic error – There is an exception within the service. 850303: Service is inactive. 850304: Service is not authorized for usage based on the provided credentials. 850305: Invalid test user – The input fields provided are not valid for sandbox testing.
info.fieldInfoList	Array	An array for FieldInfo objects.
info.fieldInfoList.field	String	Name of the field that resulted in a warning / error.
Info.fieldInfoList.message	String	Diagnostic message provided to aid consumer’s developers.

4.2 eStamp Lease / Tenancy Agreement

4.2.1 Request Payload

Fields	Format	Description
contact	Object	This complex object holds the contact

Fields	Format	Description
		details of the eStamp registered user.
contact.rULoginID	String (20)	RU login in ID. Mandatory field.
contact.assignID	String (16)	Assigned ID from IRAS for ISDS system. Mandatory field.
contact.referenceNo	String (30)	RU reference number.
document	Object	This complex object holds the document details.
document.docDescription	Number (3)	Description of the document: 8 = Acceptance to Offer of Lease (AD valorem) 5 = Agreement for Lease (Ad valorem) 7 = Lease (Ad valorem) 6 = Tenancy Agreement (Ad valorem) 9 = Tender/ Letter of Award (Ad valorem) Mandatory field.
document.dateOfDoc	String	Date of Document, specified in ISO-8601 format (YYYY-MM-DD).
document.dateDocReclnSg	String	If document was signed overseas, date it was received in Singapore, specified in ISO-8601 format (YYYY-MM-DD).
document.rentalType	String (1)	W = Wholly rented P = Partially rented Mandatory field.
document.floorArea	Number (11,2)	Floor area in square meters.
leaseTenancyPeriod	Object	This complex object holds the lease/tenancy period details.
leaseTenancyPeriod.rentalPeriodType	Number (1)	Rental if is fixed or varied for the lease/tenancy period: 1 = Fixed 0 = Varied Mandatory field.
leaseTenancyPeriod.leaseTerms	String (1)	Lease term (in months) if is Definite or Indefinite : F = Definite I = Indefinite Mandatory field.
rentalCharges	Array	This complex object holds the rental charges per month details.
rentalCharges.recordID	Number (3)	Running sequence number of each rentalCharges record. Must not have duplicate recordID.

Fields	Format	Description												
		Mandatory field.												
rentalCharges.dateStart	String (10)	Start date of lease/ tenancy, specified in ISO-8601 format (YYYY-MM-DD). Mandatory field.												
rentalCharges.tentativeStartDate	String (1)	Tentative start date indicator: Y = Yes N = No Mandatory field.												
rentalCharges.dateEnd	String (10)	End date of lease/ tenancy, specified in ISO-8601 format (YYYY-MM-DD). Mandatory if leaseTerms = F.												
rentalCharges.rentalAmt	Number (11,2)	Actual rent or market rent, whichever is higher.												
rentalCharges.furnitureFittings	Number (11,2)	Furniture and fittings amount.												
rentalCharges.maintenanceCharge	Number (11,2)	Charges for maintenance.												
rentalCharges.otherCharge	Number (11,2)	Other charges.												
rentalCharges.variableComponent	String (1)	Variable component indicator, whether total rent includes a variable component: Y = Yes N = No Mandatory field.												
premium	Object	This complex object that holds the premium details. Applicable when document.dateOfDoc is on and after 20 Feb 2018, or undated.												
premium.residentialComponent	Number (11,2)	Premium for residential component. Applicable where: <ul style="list-style-type: none"> - dateDateofDoc is on and after 20 Feb 2018, or undated and - propertyDetails.type and/or vacantLandDetails.masterPlanZone is as per tables below: <table border="1" data-bbox="933 1758 1433 2004"> <thead> <tr> <th colspan="2">propertyDetails.type</th> </tr> </thead> <tbody> <tr> <td>PPR</td> <td>Private Residential</td> </tr> <tr> <td>PEX</td> <td>Executive Condominium</td> </tr> <tr> <td>PHR</td> <td>HDB Residential</td> </tr> <tr> <td>PMU</td> <td>Mixed (with Residential Use)</td> </tr> <tr> <td>POT</td> <td>Others</td> </tr> </tbody> </table>	propertyDetails.type		PPR	Private Residential	PEX	Executive Condominium	PHR	HDB Residential	PMU	Mixed (with Residential Use)	POT	Others
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PPR	Private Residential													
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Fields	Format	Description																		
		<table border="1"> <tr> <th colspan="2">vacantLandDetails.masterPlanZone</th> </tr> <tr> <td>VRE</td> <td>Residential</td> </tr> <tr> <td>VRC</td> <td>Residential with Commercial at First Storey</td> </tr> <tr> <td>VCR</td> <td>Commercial & Residential</td> </tr> <tr> <td>VWH</td> <td>White</td> </tr> <tr> <td>VRI</td> <td>Residential/ Institution</td> </tr> </table>	vacantLandDetails.masterPlanZone		VRE	Residential	VRC	Residential with Commercial at First Storey	VCR	Commercial & Residential	VWH	White	VRI	Residential/ Institution						
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VRE	Residential																			
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VCR	Commercial & Residential																			
VWH	White																			
VRI	Residential/ Institution																			
premium.nonResidentialComponent	Number (11,2)	<p>Premium for non-residential component.</p> <p>Applicable where:</p> <ul style="list-style-type: none"> - dateDateofDoc is on and after 20 Feb 2018, or undated and - propertyDetails.type and/or vacantLandDetails.masterPlanZone is as per tables below: <table border="1"> <tr> <th colspan="2">propertyDetails.type</th> </tr> <tr> <td>PMU</td> <td>Mixed (with Residential Use)</td> </tr> <tr> <td>PCO</td> <td>Commercial</td> </tr> <tr> <td>PIN</td> <td>Industrial</td> </tr> <tr> <td>POT</td> <td>Others</td> </tr> </table> <table border="1"> <tr> <th colspan="2">vacantLandDetails.masterPlanZone</th> </tr> <tr> <td>VRC</td> <td>Residential with Commercial at First Storey</td> </tr> <tr> <td>VCR</td> <td>Commercial & Residential</td> </tr> <tr> <td>VNR</td> <td>Non-Residential</td> </tr> </table>	propertyDetails.type		PMU	Mixed (with Residential Use)	PCO	Commercial	PIN	Industrial	POT	Others	vacantLandDetails.masterPlanZone		VRC	Residential with Commercial at First Storey	VCR	Commercial & Residential	VNR	Non-Residential
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VCR	Commercial & Residential																			
VNR	Non-Residential																			
premium.premiumPaid	Number (11,2)	<p>Premium paid.</p> <p>Applicable where dateDateofDoc is before 20 Feb 2018.</p>																		
property	Object	<p>This complex object holds the property details.</p> <p>Mandatory if subject is property.</p>																		
property.propertyDetails	Array	<p>An array for propertyDetails objects.</p> <p>Mandatory field.</p>																		
property.propertyDetails.recordID	Number (11,2)	<p>Running sequence number of each propertyDetails record. Must not have duplicate recordID.</p> <p>Mandatory field.</p>																		
property.propertyDetails.type	String (3)	<p>Property type:</p> <p>PPR = Private Residential PEX = Executive Condominium PHR = HDB Residential PMU = Mixed (with Residential Use)</p>																		

Fields	Format	Description
		PCO = Commercial PIN = Industrial POT = Others Mandatory field.
property.propertyDetails.typeOthers	String (100)	If Others, please specify. Mandatory field if propertyDetails.type = POT.
property.propertyDetails.postalCode	String (7)	Postal Code of property Mandatory field.
property.propertyDetails.block	String (6)	Block of the property Field will only be used if postalCode is related to more than 1 block.
property.propertyDetails.units	Array	An array of units.
property.propertyDetails.units.level	String (4)	Level.
property.propertyDetails.units.unitNo	String (7)	Unit Number.
vacantLand	Object	This complex object holds the vacant land details. Mandatory if subject is vacant land.
vacantLand.vacantLandDetails	Array	An array for vacantLandDetails objects.
vacantLand.vacantLandDetails.recordID	Number (3)	Running sequence number of each vacantLandDetails record. Must not have duplicate recordID. Mandatory field.
vacantLand.vacantLandDetails.mkTS	String (10)	MK / TS No. Mandatory field.
vacantLand.vacantLandDetails.lotNo	String (10)	Lot No.
vacantLand.vacantLandDetails.pLpTParcel No	String (10)	PL / PT / Parcel No.
vacantLand.vacantLandDetails.streetName	String (65)	Street name
vacantLand.vacantLandDetails.masterPlan Zone	String (3)	Master Planning Zone: VRE = Residential VRC = Residential with Commercial at First Storey VCR = Commercial & Residential VWH = White VRI = Residential/ Institution VNR = Non-Residential Mandatory field.
lessorLandlord	Object	This complex object holds the Lessor/ Landlord details.

Fields	Format	Description
lessorLandlord.lessorLandlordDtl	Array	An array for lessorLandlord objects.
lessorLandlord.lessorLandlordDtl.recordID	Number (3)	Running sequence number of each lessorLandlordDtl record. Must not have duplicate recordID. Mandatory field.
lessorLandlord.lessorLandlordDtl.name	String (100)	Name of lessor/ landlord Mandatory field.
lessorLandlord.lessorLandlordDtl.idType	String (4)	Must be the following ID types: 1 = NRIC 2 = FIN 5 = UEN-BUSINESS 6 = UEN-LOCAL CO 35 = UEN-OTHERS 100 = Passport No. 201 = Others Mandatory field.
lessorLandlord.lessorLandlordDtl.idNumber	String (20)	Must be one of the following: - Valid NRIC with prefix S/T - Valid FIN with prefix F/G - Valid WP must consist of 10 characters including space - Valid UEN-BUSINESS as nnnnnnnnX - Valid UEN-LOCAL CO as yyyynnnnX - Valid UEN-OTHERS as TyyPQnnnnX Mandatory field.
lesseeTenant	Object	This complex object holds the Lessee / Tenant details.
lesseeTenant.lesseeTenantDtl	Array	An array for lesseeTenant objects.
lesseeTenant.lesseeTenantDtl.recordID	Number (3)	Running sequence number of each lesseeTenantDtl record. Must not have duplicate recordID. Mandatory field.
lesseeTenant.lesseeTenantDtl.name	String (100)	Name of Lessee / Tenant Mandatory field.
lesseeTenant.lesseeTenantDtl.profile	String (1)	Profile of tenant: S = Singapore Citizen P = Singapore Permanent Resident F = Foreigner N = Entity Mandatory field.
lesseeTenant.lesseeTenantDtl.nationality	String (50)	Country of nationality to be spelt out in full.

Fields	Format	Description
		<p>Please refer to Appendix A for the full list of country of nationality.</p> <p>Mandatory field if lesseeTenantDtl.profile = P or F.</p>
lesseeTenant.lesseeTenantDtl.entityRegInSG	String (1)	<p>Entity registered in Singapore Y = Yes N = No</p> <p>Mandatory if lesseeTenant.lesseeTenantDtl.profile = N.</p>
lesseeTenant.lesseeTenantDtl.idType	String (4)	<p>Must be the following ID types: 1 = NRIC 2 = FIN 5 = UEN-BUSINESS 6 = UEN-LOCAL CO 35 = UEN-OTHERS 100 = Passport No. 201 = Others</p> <ul style="list-style-type: none"> - If lesseeTenant.lesseeTenantDtl.profile = S or P, only 1 is applicable - If lesseeTenant.lesseeTenantDtl.entityRegInSG = N, only 201 is applicable <p>Mandatory field.</p>
lesseeTenant.lesseeTenantDtl.idNumber	String (20)	<p>Must be one of the following:</p> <ul style="list-style-type: none"> - Valid NRIC with prefix S/T - Valid FIN with prefix F/G - Valid WP must consist of 10 characters including space - Valid UEN-BUSINESS as nnnnnnnnX - Valid UEN-LOCAL CO as yyyynnnnnX - Valid UEN-OTHERS as TyyPQnnnnX <p>Mandatory field.</p>
lesseeTenant.lesseeTenantDtl.country	String (1)	<p>Country of the mailing address 1 = Singapore 0 = Others</p> <p>Mandatory field.</p>
lesseeTenant.lesseeTenantDtl.postalCode	String (7)	<p>Singapore postal code if applicable.</p> <p>Mandatory field.</p>
lesseeTenant.lesseeTenantDtl.block	String (6)	<p>Block of the property</p> <p>Field will only be used if postalCode is</p>

Fields	Format	Description
		related to more than 1 block.
lesseeTenant.lesseeTenantDtl.level	String (4)	Storey number when country is Singapore and where applicable if address has storey number.
lesseeTenant.lesseeTenantDtl.unitNo	String (7)	Unit number when country is Singapore and must be filled up when storey number is filled in.
lesseeTenant.lesseeTenantDtl.unformatAddress1	String (50)	Unformatted address line 1 for foreign address Mandatory if lesseeTenantDtl.country = 0.
lesseeTenant.lesseeTenantDtl.unformatAddress2	String (50)	Unformatted address line 2 for foreign address Mandatory if lesseeTenantDtl.country = 0.
lesseeTenant.lesseeTenantDtl.unformatAddress3	String (50)	Unformatted address line 3 for foreign address.
lesseeTenant.lesseeTenantDtl.unformatAddress4	String (50)	Unformatted address line 4 for foreign address.

Sample JSON request payload

```
{
  "contact": {
    "rULoginID": "FN75161L",
    "assignID": "A90007231H"
  },
  "document": {
    "docDescription": "8",
    "dateDateofDoc": "2018-02-20",
    "rentalType": "W",
    "floorArea": 150
  },
  "leaseTenancyPeriod": {
    "rentalPeriodType": 1,
    "leaseTerms": "F",
    "rentalCharges": {
      "recordID": 1,
      "dateStart": "2017-11-12",
      "tentativeStartDate": "Y",
      "dateEnd": "2018-04-25",
      "rentalAmt": 1200.1,
      "furnitureFittings": 120.15,
      "maintenanceCharge": 100,
      "otherCharge": 0,
      "variableComponent": "N"
    }
  },
  "premium": {
    "residentialComponent": 0,
    "nonResidentialComponent": 0
  },
  "property": {
    "propertyDetails": [
```

```

        {
            "recordID": 1,
            "postalCode": "760108",
            "units": {
                "level": "06",
                "unitNo": "122"
            },
            "type": "PPR"
        }
    ],
    "lessorLandlord": {
        "lessorLandlordDtl": [
            {
                "recordID": 1,
                "name": "Jonan Long",
                "idType": "1",
                "idNumber": "S7912931Z"
            },
            {
                "recordID": 2,
                "name": "Joshua Lee",
                "idType": "1",
                "idNumber": "S7712331G"
            }
        ]
    },
    "lesseeTenant": {
        "lesseeTenantDtl": [
            {
                "recordID": 1,
                "name": "Sandy Wong",
                "idNumber": "S8212931Z",
                "profile": "S",
                "idType": "1",
                "country": "1",
                "postalCode": 760121,
                "level": "08",
                "unitNo": "111"
            }
        ]
    }
}

```

4.2.2 Response Payload

data	Object	The object payload containing the information for the submitted eStamping request.
data.paymentSlipNo	String	The payment slip number when the stamp duty amount is above the threshold set. For users to reference during the payment for stamp duty.
data.stampCertRef	String	Stamp Certificate Reference

data.docRefNo	Number	Document reference number of the document.
data.sdAmount	Number	Stamp duty
data.sdPenalty	Number	Penalty
data.totalAmtPayable	Number	Total amount payable
data.paymentDueDate	String	Payment Due date
data.stampCertPDFBase64	String	Stamp Certificate PDF in Base64 encoding
data.paymentSlipPDFBase64	String	Payment Slip PDF in Base64 encoding
returnCode	As per Section 3.1.3	
info		
info.message		
info.messageCode		
info.fieldInfoList		
info.fieldInfoList.field		
info.fieldInfoList.message		
info.fieldInfoList.recordID		

Sample success JSON response payload

```
{
  "returnCode": 10,
  "data": {
    "stampCertRef": "061211-00LA3-1-001314317",
    "docRefNo": 2017101700006,
    "sdAmount": 31,
    "totalAmtPayable": 31,
    "paymentDueDate": "2018-03-29",
    "stampCertPDFBase64": "7FFFFFFFFFFFFFFF... "
  },
  "info": {
    "fieldInfoList": []
  }
}
```

Sample error JSON response payload

```
{
  "returnCode": 30,
  "info": {
    "fieldInfoList": [
      {
        "field": " docDescription",
        "message": "Value cannot be null"
      }
    ],
    "message": "Arguments Error",
    "messageCode": 850301
  }
}
```

4.3 eStamp Mortgage

4.3.1 Request Payload

contact	Object	This complex object holds the contact details of the eStamp registered user.
contact.rULoginID	String (20)	RU login in ID. Mandatory field.
contact.assignID	String (16)	Assigned ID from IRAS for ISDS system. Mandatory field.
contact.referenceNo	String (30)	RU reference number.
document	Object	This complex object holds the document details.
document.docDescription	Number (3)	Description of the document: 19 = Agreement for Mortgage (Ad valorem) 22 = Charge (Ad valorem) 21 = Debenture (Ad valorem) 18 = Deed of Assignment (Ad valorem) 20 = Mortgage (Ad valorem) Mandatory field.
document.dateOfDoc	String (10)	Date of Document , specified in ISO-8601 format (YYYY-MM-DD).
document.dateDocReclnSg	String (10)	If document was signed overseas, date it was received in Singapore, specified in ISO-8601 format (YYYY-MM-DD).
mortgageType	String (1)	O = Open F = Fixed Mandatory field.
loanFacilitiesAmt	Number (11,2)	Amount of loan facilities. Mandatory if mortgageType = F.
mortgageProfile	String (1)	Profile of mortgage. 1 = Property or Land 2 = Stocks and Shares or Securities 3 = Both (1 & 2) Mandatory field.
property	Object	This complex object holds the property details. Mandatory if mortgageProfile = 1 and subject is property.
property.propertyDetails	Array	An array for propertyDetails objects.
property.propertyDetails.recordID	Number (3)	Running sequence number of each propertyDetails record. Must not have duplicate recordID.

		Mandatory field.
property.propertyDetails.postalCode	String (7)	Postal Code of property Mandatory field.
property.propertyDetails.block	String (6)	Block of the property Field will only be used if postalCode is related to more than 1 block.
property.propertyDetails.units	Array	An array for units.
property.propertyDetails.units.level	String (4)	Level number.
property.propertyDetails.units.unitNo	String (7)	Unit Number.
vacantLand	Object	This complex object holds the vacant land details. Mandatory if mortgageProfile = 1 and subject is vacant land.
vacantLand.vacantLandDetails	Array	An array for vacantLandDetails objects.
vacantLand.vacantLandDetails.recordID	Number (3)	Running sequence number of each vacantLandDetails record. Must not have duplicate recordID. Mandatory field.
vacantLand.vacantLandDetails.mkTS	String (10)	MK/ TS No. Mandatory field.
vacantLand.vacantLandDetails.lotNo	String (10)	Lot No.
vacantLand.vacantLandDetails.pLpTParcel No	String (10)	PL/ PT/ Parcel No.
vacantLand.vacantLandDetails.streetName	String (65)	Street name
stocksShares	Object	This complex object holds the stocks and shares details. Mandatory if mortgageProfile = 2 and subject is stocksShares.
stocksShares.stocksSharesDetails	Array	An array for stocksSharesDetails objects. Mandatory field.
stocksShares.stocksSharesDetails.recordID	Number (3)	Running sequence number of each stockSharesDetails record. Must not have duplicate recordID. Mandatory field.
stocksShares.stocksSharesDetails.nmOfCo mpany	String (100)	Name of company Mandatory field.
stocksShares.stocksSharesDetails.idType	Number (4)	Must be the following ID types: 6 = UEN-LOCAL CO 35 = UEN-OTHERS 201 = Others

		Maximum 4 digits. Mandatory field.
stocksShares.stocksSharesDetails.idNumber	String (20)	Must be one of the following: <ul style="list-style-type: none"> - Valid UEN-LOCAL CO as yyyynnnnnX - Valid UEN-OTHERS as TyyPQnnnnX Mandatory field.
stocksShares.stocksSharesDetails.noStockShares	Number (15)	Number of stocks and shares. Mandatory field.
Securities	Array	An array for securitiesDetails objects. Mandatory if mortgageProfile = 2 and subject is Securities.
securities.recordID	Number (3)	Running sequence number of each securities record. Must not have duplicate recordID. Mandatory field.
securities.securitiesDetails	String (200)	Security details. Mandatory field.
mortgagor	Object	This complex object holds the mortgagor details.
mortgagor.mortgagorDetails	Array	An array for mortgagorDetails objects. Mandatory field.
mortgagor.mortgagorDetails.recordID	Number (3)	Running sequence number of each mortgagorDetails row Mandatory field.
mortgagor.mortgagorDetails.name	String (100)	Name of mortgagor Mandatory field.
mortgagor.mortgagorDetails.idType	String (4)	Must be the following ID types: 1 = NRIC 2 = FIN 5 = UEN-BUSINESS 6 = UEN-LOCAL CO 35 = UEN-OTHERS 100 =Passport No. 201 = Others Mandatory field.
mortgagor.mortgagorDetails.idNumber	String (20)	Must be one of the following: <ul style="list-style-type: none"> - Valid NRIC with prefix S/T - Valid FIN with prefix F/G - Valid WP must consist of 10 characters including space - Valid UEN-BUSINESS as nnnnnnnnX - Valid UEN-LOCAL CO as

		<p>yyyynnnnX - Valid UEN-OTHERS as TyyPQnnnnX</p> <p>Mandatory field.</p>
mortgagor.mortgagorDetails.country	String (1)	<p>Country of the mailing address 1 = Singapore 0 = Others</p> <p>Mandatory field.</p>
mortgagor.mortgagorDetails.postalCode	String (7)	<p>Singapore postal code if applicable.</p> <p>Mandatory field.</p>
mortgagor.mortgagorDetails.block	String (6)	<p>Block of the property</p> <p>Field will only be used if postalCode is related to more than 1 block.</p>
mortgagor.mortgagorDetails.level	String (4)	<p>Level when country is Singapore and where applicable if address has storey number.</p>
mortgagor.mortgagorDetails.unitNo	String (7)	<p>Unit number when country is Singapore and must be filled up when storey number is filled in.</p>
mortgagor.mortgagorDetails.unformatAddress1	String (50)	<p>Unformatted address line 1 for foreign address</p> <p>Mandatory if mortgagorDetails.country = 0.</p>
mortgagor.mortgagorDetails.unformatAddress2	String (50)	<p>Unformatted address line 2 for foreign address</p> <p>Mandatory if mortgagorDetails.country = 0.</p>
mortgagor.mortgagorDetails.unformatAddress3	String (50)	<p>Unformatted address line 3 for foreign address.</p>
mortgagor.mortgagorDetails.unformatAddress4	String (50)	<p>Unformatted address line 4 for foreign address.</p>
mortgagee	Object	<p>This complex object holds the mortgagor details.</p>
mortgagee.mortgageeDetails	Array	<p>An array for mortgageeDetails objects.</p>
mortgagee.mortgageeDetails.recordID	Number (3)	<p>Running sequence number of each mortgageeDetails record. Must not have duplicate recordID.</p> <p>Mandatory field.</p>
mortgagee.mortgageeDetails.name	String (100)	<p>Name of mortgagee</p> <p>Mandatory field.</p>
mortgagee.mortgageeDetails.idType	String (4)	<p>Must be the following ID types: 1 = NRIC 2 = FIN 5 = UEN-BUSINESS 6 = UEN-LOCAL CO 35 = UEN-OTHERS</p>

		100 =Passport No. 201 = Others Mandatory field.
mortgagee.mortgageeDetails.idNumber	String (20)	Must be one of the following: <ul style="list-style-type: none"> - Valid NRIC with prefix S/T - Valid FIN with prefix F/G - Valid WP must consist of 10 characters including space - Valid UEN-BUSINESS as nnnnnnnnX - Valid UEN-LOCAL CO as yyyynnnnnX - Valid UEN-OTHERS as TyyPQnnnnC Mandatory field.

Sample JSON request payload

```
{
  "contact": {
    "rULoginID": "FN75161L",
    "assignID": "A90007231H",
    "referenceNo": "122377181"
  },
  "document": {
    "docDescription": "19",
    "dateDateofDoc": "2017-11-05",
    "mortgageType": "F",
    "loanFacilitiesAmt": 150000.00,
    "mortgageProfile": "1"
  },
  "property": {
    "propertyDetails": [
      {
        "recordID": 1,
        "postalCode": "760108",
        "units": {
          "level": "06",
          "unitNo": "122"
        }
      }
    ]
  },
  "mortgagor": {
    "mortgagorDetails": [
      {
        "recordID": 1,
        "name": "Sandy Wong",
        "idNumber": "S8712931Z",
        "idType": "1",
        "country": "1",
        "postalCode": 760121,
        "level": "08",
        "unitNo": "111"
      }
    ]
  }
}
```

```

    }
  ],
  "mortgagee": {
    "mortgageeDetails": [
      {
        "recordID": 1,
        "name": "Jane Wang",
        "idNumber": "S7912931Z",
        "idType": "1"
      }
    ]
  }
}

```

4.3.2 Response Payload

data	Object	The object payload containing the information for the submitted eStamping request.
data.paymentSlipNo	String	The payment slip number when the stamp duty amount is above the threshold set. For RU users to reference during the payment for stamp duty.
data.stampCertRef	String	Stamp Certificate Reference
data.docRefNo	Number	Document reference number of the document.
data.sdAmount	Number	Stamp duty
data.sdPenalty	Number	Penalty
data.totalAmtPayable	Number	Total amount payable
data.paymentDueDate	String	Payment Due date
data.stampCertPDFBase64	String	Stamp Certificate PDF in Base64 encoding
data.paymentSlipPDFBase64	String	Payment Slip PDF in Base64 encoding
returnCode	As per Section 3.1.3	
info		
info.message		
info.messageCode		
info.fieldInfoList		
info.fieldInfoList.field		
info.fieldInfoList.message		
info.fieldInfoList.recordID		

Sample success JSON response payload

```

{
  "returnCode": 10,
  "data": {
    "stampCertRef": "061211-00MA4-1-001314317",
    "docRefNo": 2017101700006,

```

```

        "sdAmount": 500,
        "totalAmtPayable": 500,
        "paymentDueDate": "2018-03-29",
        "stampCertPDFBase64": "7FFFFFFFFFFFFFFF... "
    },
    "info": {
        "fieldInfoList": []
    }
}

```

Sample error JSON response payload

```

{
  "returnCode": 30,
  "info": {
    "fieldInfoList": [
      {
        "field": " docDescription",
        "message": "Value cannot be null"
      }
    ],
    "message": "Arguments Error",
    "messageCode": 850301
  }
}

```

4.4 eStamp Share Transfer

4.4.1 Request Payload

contact	Object	This complex object holds the contact details of the eStamp registered user.
contact.rULoginID	String (20)	RU login in ID. Mandatory field.
contact.assignID	String (16)	Assigned ID from IRAS for ISDS system. Mandatory field.
contact.referenceNo	String (30)	RU reference number.
document	Object	This complex object holds the document details.
document.docDescription	Number (3)	Description of the document: 82 = Sale and Purchase of Shares 10 = Share Transfer (Ad valorem) Mandatory field.
document.dateOfDoc	String (10)	Date of Document, specified in ISO-8601 format (YYYY-MM-DD).
document.dateDocReclnSg	String (10)	If document was signed overseas, date it was received in Singapore, specified in ISO-

		8601 format (YYYY-MM-DD).
document.considerationAmt	Number (11,2)	Consideration amount. Mandatory field.
document.totalConsiderationAmt	Number	If there are other considerations, input total consideration in this field.
targetCompany	Object	This complex object holds the target company details.
targetCompany.companyName	String (100)	Name of company for the shares. Mandatory field.
targetCompany.idType	String (4)	Must be the following ID types: 6 = UEN-LOCAL CO 35 = UEN-OTHERS 201 = Others Mandatory field.
targetCompany.idNumber	String (20)	Must be one of the following: - Valid UEN-LOCAL CO as yyyynnnnnX - Valid UEN-OTHERS as TyyPQnnnnX Mandatory field.
targetCompany.companyProfile	String (1)	Company's shares and profile: N = Newly incorporated within 18 months L = Listed on the Stock Exchange of Singapore O = Private company with issued ordinary shares Mandatory field.
targetCompany.newCorporation	Object	This complex object holds the target company details for newly incorporated companies shares details. Mandatory when targetCompany.companyProfile = N.
targetCompany.newCorporation.dtIncorporation	String (10)	Company's date of incorporation, specified in ISO-8601 format (YYYY-MM-DD). Mandatory field.
targetCompany.newCorporation.pricePerShare	Number (11,5)	Subscription price per share. Mandatory field.
targetCompany.newCorporation.noShares	Number (15)	Number of shares transferred. Mandatory field.

targetCompany.listed	Object	This complex object holds the target company details for companies listed on singapore's stock exchange. Mandatory when targetCompany.companyProfile = L
targetCompany.listed.marketPricePerShare	Number (11,5)	Market price per share. Mandatory field.
targetCompany.listed.noShares	Number (15)	Number of shares transferred. Mandatory field.
targetCompany.ptecomOrdinary	Object	This complex object holds the target company details for private companies with issued ordinary shares only. Mandatory when targetCompany.companyProfile = O.
targetCompany.ptecomOrdinary.dtStatementAccount	String (10)	Date of Company's statement of accounts, specified in ISO-8601 format (YYYY-MM-DD). Mandatory field.
targetCompany.ptecomOrdinary.assetsOwn	String (1)	Does company own immovable properties : 1 = Yes 0 = No Mandatory field.
targetCompany.ptecomOrdinary.otherAssets	Number (15,2)	Amount of other assets owned.
targetCompany.ptecomOrdinary.totalLiabilities	Number (15,2)	Total Liabilities.
targetCompany.ptecomOrdinary.noIssuedShares	Number (15)	Number of issued shares.
targetCompany.ptecomOrdinary.netAssetValuePerShare	Number (15,2)	Net Asset value per share. Mandatory field.
targetCompany.ptecomOrdinary.noSharesTransferred	Number (15)	Number of shares transferred. Mandatory field.
targetCompany.ptecomOrdinary.immovable	Array	An array list of immovable properties details
targetCompany.ptecomOrdinary.immovable.postalCode	String (7)	Singapore postal code. Mandatory field if assetsOwn = 1.
targetCompany.ptecomOrdinary.immovable.block	String (6)	Block of the property Field will only be used if

IRAS API Services Interface Specifications

		postalCode is related to more than 1 block.
targetCompany.ptComOrdinary.immovable.level	String (4)	Level.
targetCompany.ptComOrdinary.immovable.unitNo	String (7)	Unit Number.
targetCompany.ptComOrdinary.immovable.value	Number (15,2)	Value. Mandatory if assetsOwn = 1.
targetCompany.ptComOrdinary.immovable.valueType	String (1)	Value of property is : M = Market Value B = Book Value Mandatory if assetsOwn = 1.
transferor	Object	This complex object holds the transferor details.
transferor.transferorList	Array	Array of transferor.
transferor.transferorList.recordID	Number (3)	Running sequence number of each transferorList record. Must not have duplicate recordID. Mandatory field.
transferor.transferorList.transferorName	String (100)	Name of transferor. Mandatory field.
transferor.transferorList.transferorIdType	String (4)	Must be the following ID types: 1 = NRIC 2 = FIN 5 = UEN-BUSINESS 6 = UEN-LOCAL CO 35 = UEN-OTHERS 100 =Passport No. 201 = Others Mandatory field.
transferor.transferorList.transferorIdNumber	String (20)	Must be one of the following: - Valid NRIC with prefix S/T - Valid FIN with prefix F/G - Valid WP must consist of 10 characters including space - Valid UEN-BUSINESS as nnnnnnnX - Valid UEN-LOCAL CO as yyyynnnnX - Valid UEN-OTHERS as TyyPQnnnnX Mandatory field.
transferee	Object	This complex object holds the transferee details.
transferee.transfereeList	Array	Array of transferee.
transferee.transfereeList.recordID	Number (3)	Running sequence number of

		each transfereeList record. Must not have duplicate recordID. Mandatory field.
transferee.transfereeList.transfereeName	String (100)	Name of transferee. Mandatory field.
transferee.transfereeList.transfereeldType	String (4)	Must be the following ID types: 1 = NRIC 2 = FIN 5 = UEN-BUSINESS 6 = UEN-LOCAL CO 35 = UEN-OTHERS 100 =Passport No. 201 = Others Mandatory field.
transferee.transfereeList.transfereeldNumber	String (20)	Must be one of the following: - Valid NRIC with prefix S/T - Valid FIN with prefix F/G - Valid WP must consist of 10 characters including space - Valid UEN-BUSINESS as nnnnnnnnnX - Valid UEN-LOCAL CO as yyyynnnnnX - Valid UEN-OTHERS as TyyPQnnnnX Mandatory field.
transferee.transfereeList.transfereeCountry	String (1)	Country of the mailing address 1 = Singapore 0 = Others Mandatory field.
transferee.transfereeList.transfereePostalCode	String (7)	Singapore postal code if applicable. Mandatory field.
transferee.transfereeList.transfereeBlock	String (6)	Block of the property Field will only be used if postalCode is related to more than 1 block.
transferee.transfereeList.transfereeLevel	String (4)	Level when country is Singapore and where applicable if address has storey number.
transferee.transfereeList.transfereeUnitNo	String (7)	Unit number when country is Singapore and must be filled up when storey number is filled in.
transferee.transfereeList.transfereeUnformatA	String (50)	Unformatted address line 1 for

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address1		foreign address Mandatory if transfereeCountry = 0.
transferee.transfereeList.transfereeUnformatAddress2	String (50)	Unformatted address line 2 for foreign address Mandatory if transfereeCountry = 0.
transferee.transfereeList.transfereeUnformatAddress3	String (50)	Unformatted address line 3 for foreign address.
transferee.transfereeList.transfereeUnformatAddress4	String (50)	Unformatted address line 4 for foreign address.

* Denotes mandatory fields.

Sample JSON request payload

```
{
  "contact": {
    "rULoginID": "FN75161L",
    "assignID": "A90007231H",
    "referenceNo": "122377181"
  },
  "document": {
    "docDescription": "10",
    "dateDateofDoc": "2017-11-05",
    "considerationAmt": 60000,
    "totalConsiderationAmt": 0
  },
  "targetCompany": {
    "companyName": "ABC Cooperation",
    "idType": "6",
    "idNumber": "201612345B",
    "companyProfile": "N",
    "newCorporation": {
      "dtIncorporation": "2017-05-01",
      "pricePerShare": 3,
      "noShares": 20000
    }
  },
  "transferor": [
    {
      "recordID": 1,
      "transferorName": "Jung Hung Choo",
      "transferorIdType": "1",
      "transferorIdNumber": "S1230491A"
    },
    {
      "recordID": 2,
      "transferorName": "Sung Ha Choo",
      "transferorIdType": "2",
      "transferorIdNumber": "F1230491A"
    }
  ],
  "transferee": [
    {
```

```

        "recordID": 1,
        "transfereeName": "Ho Ling Shu ",
        "transfereeIdType": "1",
        "transfereeIdNumber": "S7230741A",
        "transfereeCountry": "1",
        "transfereePostalCode": "760124",
        "transfereeLevel": "05",
        "transfereeUnitNo": "147"
    }
}

```

3.2.2 Response Payload

data	Object	The object payload containing the information for the submitted eStamping request.
data.paymentSlipNo	String	The payment slip number. When the stamp duty amount is above the threshold set. For users to reference during the payment for stamp duty.
data.stampCertRef	String	Stamp Certificate Reference.
data.docRefNo	Number	Document reference number of the document.
data.sdAmount	Number	Stamp duty amount
data.sdPenalty	Number	Penalty
data.totalAmtPayable	Number	Total amount payable
data.paymentDueDate	String	Payment Due date
data.stampCertPDFBase64	String	Stamp Certificate PDF in Base64 encoding
data.paymentSlipPDFBase64	String	Payment Slip PDF in Base64 encoding
returnCode	As per Section 3.1.3	
info		
info.message		
info.messageCode		
info.fieldInfoList		
info.fieldInfoList.field		
info.fieldInfoList.message		
info.fieldInfoList.recordID		

Sample success JSON response payload

```

{
  "returnCode": 10,
  "data": {
    "stampCertRef": "061211-00SH1-1-001314317",
    "docRefNo": 2017101700006,
    "sdAmount": 120,
    "totalAmtPayable": 120,
    "paymentDueDate": "2018-03-29",
  }
}

```

```

    "stampCertPDFBase64": "7FFFFFFFFFFFFFFF... "
  },
  "info": {
    "fieldInfoList": []
  }
}

```

Sample error JSON response payload

```

{
  "returnCode": 30,
  "info": {
    "fieldInfoList": [
      {
        "field": " companyName",
        "message": "Value cannot be null"
      }
    ],
    "message": "Arguments Error",
    "messageCode": 850301
  }
}

```

4.5 eStamp Sale & Purchase

4.5.1 Request Payload

contact	Object	This complex object holds the contact details of the eStamp registered user.
contact.rULoginID	String (20)	RU login in ID. Mandatory field.
contact.assignID	String (16)	Assigned ID from IRAS for ISDS system. Mandatory field.
contact.referenceNo	String (30)	RU reference number.
document	Object	This complex object holds the document details.
document.docDescription	Number (3)	Description of the document: 2 = Acceptance to Option to Purchase (Ad valorem) 3 = Letter of Authority (Ad valorem) 1 = Sale and Purchase Agreement (Ad valorem) 4 = Transfer/ Assignment/ Conveyance (Ad valorem) Mandatory field.
document.dateDateofDoc	String (10)	Date of Document, specified in ISO-8601 format (YYYY-MM-DD).
document.dateDocReclnSg	String (10)	If document was signed overseas, date it was received in Singapore,

		specified in ISO-8601 format (YYYY-MM-DD).
document.purchasePrice	Number (15,2)	The purchase or consideration price. Mandatory field.
document.openMarketPrice	Number (15,2)	To be given if the open market value is higher than purchasePrice. Mandatory field. Not required if dateDateofDoc is on and after 20 Feb 2018.
document.shareOfPropertyTransferred	String (1)	Share of Property Transferred: 1 = Full 2 = Partial Mandatory field.
document.fractionOfPropertyTransferred Numerator	String (5)	Fraction of Property Transferred (numerator). Mandatory if shareOfPropertyTransferred = 2.
document.fractionOfPropertyTransferred Denominator	String (5)	Fraction of Property Transferred (denominator). Mandatory if shareOfPropertyTransferred = 2.
document.floorArea	Number (11,2)	Floor area in square meters.
property	Object	This complex object holds the property details. Mandatory if subject is property.
property.propertyDetails	Array	An array for propertyDetails objects.
property.propertyDetails.recordID	Number (3)	Running sequence number of each propertyDetails record. Must not have duplicate recordID. Mandatory field.
property.propertyDetails.postalCode	String (7)	Postal Code of property. Mandatory field.
property.propertyDetails.block	String (6)	Block of the property. Field will only be used if postalCode is related to more than 1 block.
property.propertyDetails.units	Array	An array for units.
property.propertyDetails.units.level	String (4)	Level.
property.propertyDetails.units.unitNo	String (7)	Unit Number.
property.propertyDetails.type	String (3)	Property type: PPR = Private Residential PEX = Executive Condominium PHR = HDB Residential

		<p>PMU = Mixed (with Residential Use) PCO = Commercial PIN = Industrial POT = Others</p> <p>Mandatory field.</p>												
property.propertyDetails.typeOthers	String (100)	<p>If Others, please specify</p> <p>Mandatory if propertyDetails.type = POT.</p>												
property.propertyDetails.residentialComponent	Number (11,2)	<p>Purchase price or market value (whichever is higher) of the residential component.</p> <p>Mandatory if:</p> <ul style="list-style-type: none"> - dateDateofDoc is on and after 20 Feb 2018, or undated and - propertyDetails.type is as per table below: <table border="1"> <thead> <tr> <th colspan="2">propertyDetails.type</th> </tr> </thead> <tbody> <tr> <td>PPR</td> <td>Private Residential</td> </tr> <tr> <td>PEX</td> <td>Executive Condominium</td> </tr> <tr> <td>PHR</td> <td>HDB Residential</td> </tr> <tr> <td>PMU</td> <td>Mixed (with Residential Use)</td> </tr> <tr> <td>POT</td> <td>Others</td> </tr> </tbody> </table>	propertyDetails.type		PPR	Private Residential	PEX	Executive Condominium	PHR	HDB Residential	PMU	Mixed (with Residential Use)	POT	Others
propertyDetails.type														
PPR	Private Residential													
PEX	Executive Condominium													
PHR	HDB Residential													
PMU	Mixed (with Residential Use)													
POT	Others													
property.propertyDetails.nonResidentialComponent	Number (11,2)	<p>Purchase price or market value (whichever is higher) of the non-residential component.</p> <p>Mandatory if:</p> <ul style="list-style-type: none"> - dateDateofDoc is on and after 20 Feb 2018, or undated and - propertyDetails.type is as per table below: <table border="1"> <thead> <tr> <th colspan="2">propertyDetails.type</th> </tr> </thead> <tbody> <tr> <td>PMU</td> <td>Mixed (with Residential Use)</td> </tr> <tr> <td>PCO</td> <td>Commercial</td> </tr> <tr> <td>PIN</td> <td>Industrial</td> </tr> <tr> <td>POT</td> <td>Others</td> </tr> </tbody> </table>	propertyDetails.type		PMU	Mixed (with Residential Use)	PCO	Commercial	PIN	Industrial	POT	Others		
propertyDetails.type														
PMU	Mixed (with Residential Use)													
PCO	Commercial													
PIN	Industrial													
POT	Others													
property.propertyDetails.aBSD	String (1)	<p>Is the purchase liable to ABSD: 1 = Yes 2 = No</p> <p>Mandatory field.</p>												
property.propertyDetails.aBSDRate	Number (2)	<p>Select ABSD rate: 5 = 5% 7 = 7% 10 = 10% 15 = 15%</p> <p>Mandatory if propertyDetails.aBSD = 1.</p>												

property.propertyDetails.purchasePrice	Number (11,2)	The higher of the property's purchase price or market value. Mandatory if dateDateofDoc is before 20 Feb 2018 and propertyDetails.aBSD = 1.												
vacantLand	Object	This complex object holds the vacant land details. Mandatory if subject is vacant land.												
vacantLand.vacantLandDetails	Array	An array for vacantLandDetails objects.												
vacantLand.vacantLandDetails.recordID	Number (3)	Running sequence number of each vacantLandDetails record. Must not have duplicate recordID. Mandatory field.												
vacantLand.vacantLandDetails.mkTS	String (10)	MK / TS No. Mandatory field.												
vacantLand.vacantLandDetails.lotNo	String (10)	Lot No.												
vacantLand.vacantLandDetails.pLpTParcelNo	String (10)	PL / PT / Parcel No.												
vacantLand.vacantLandDetails.streetName	String (65)	Street name												
vacantLand.vacantLandDetails.masterPlanZone	String (3)	Master Planning Zone: VRE = Residential VRC = Residential with Commercial at First Storey VCR = Commercial & Residential VWH = White VRI = Residential/ Institution VNR = Non-Residential Mandatory field.												
vacantLand.vacantLandDetails.residentialComponent	Number (11,2)	Purchase price or market value (whichever is higher) of the residential component. Maximum 11 digits and 2 decimal places. Mandatory if: - dateDateofDoc is on and after 20 Feb 2018 or undated and - masterPlanZone is as per table below:												
		<table border="1"> <thead> <tr> <th colspan="2">vacantLandDetails.masterPlanZone</th> </tr> </thead> <tbody> <tr> <td>VRE</td> <td>Residential</td> </tr> <tr> <td>VRC</td> <td>Residential with Commercial at First Storey</td> </tr> <tr> <td>VCR</td> <td>Commercial & Residential</td> </tr> <tr> <td>VWH</td> <td>White</td> </tr> <tr> <td>VRI</td> <td>Residential/ Institution</td> </tr> </tbody> </table>	vacantLandDetails.masterPlanZone		VRE	Residential	VRC	Residential with Commercial at First Storey	VCR	Commercial & Residential	VWH	White	VRI	Residential/ Institution
vacantLandDetails.masterPlanZone														
VRE	Residential													
VRC	Residential with Commercial at First Storey													
VCR	Commercial & Residential													
VWH	White													
VRI	Residential/ Institution													

vacantLand.vacantLandDetails.nonResidentialComponent	Number (11,2)	<p>Purchase price or market value (whichever is higher) of the non-residential component.</p> <p>Mandatory if:</p> <ul style="list-style-type: none"> - dateDateofDoc is on and after 20 Feb 2018 or undated and - masterPlanZone is as per table below: <table border="1" data-bbox="949 450 1453 725"> <thead> <tr> <th colspan="2">vacantLandDetails.masterPlanZone</th> </tr> </thead> <tbody> <tr> <td>VRC</td> <td>Residential with Commercial at First Storey</td> </tr> <tr> <td>VCR</td> <td>Commercial & Residential</td> </tr> <tr> <td>VNR</td> <td>Non-Residential</td> </tr> </tbody> </table>	vacantLandDetails.masterPlanZone		VRC	Residential with Commercial at First Storey	VCR	Commercial & Residential	VNR	Non-Residential
vacantLandDetails.masterPlanZone										
VRC	Residential with Commercial at First Storey									
VCR	Commercial & Residential									
VNR	Non-Residential									
vacantLand.vacantLandDetails.aBSD	String (1)	<p>Is the purchase liable to ABSD: 1 = Yes 2 = No</p> <p>Mandatory field.</p>								
vacantLand.vacantLandDetails.aBSDRate	Number (2)	<p>Select ABSD rate 5 = 5% 7 = 7% 10 = 10% 15 = 15%</p> <p>Mandatory if:</p> <ul style="list-style-type: none"> - dateDateofDoc is before 20 Feb 2018 and - vacantLandDetails.aBSD = 1 								
vacantLand.vacantLandDetails.purchasePrice	Number (11,2)	<p>The higher of the vacant land price or market value.</p> <p>Mandatory if:</p> <ul style="list-style-type: none"> - dateDateofDoc is before 20 Feb 2018 and - vacantLandDetails.aBSD = 1 								
vendor	Object	This complex object holds the Vendor/ Transferor/ Assignor details.								
vendor.vendorList	Array	Array of transferor.								
vendor.vendorList.recordID	Number (3)	<p>Running sequence number of each vendorList record. Must not have duplicate recordID.</p> <p>Mandatory field.</p>								
vendor.vendorList.vendorName	String (100)	<p>Name of transferor.</p> <p>Mandatory field.</p>								
vendor.vendorList.vendorIDType	String (4)	<p>Must be the following ID types: 1 = NRIC 2 = FIN 5 = UEN-BUSINESS 6 = UEN-LOCAL CO</p>								

		<p>35 = UEN-OTHERS 100 =Passport No. 201 = Others</p> <p>Mandatory field.</p>
vendor.vendorList.vendorIdNumber	String (20)	<p>Must be one of the following:</p> <ul style="list-style-type: none"> - Valid NRIC with prefix S/T - Valid FIN with prefix F/G - Valid WP must consist of 10 characters including space - Valid UEN-BUSINESS as nnnnnnnnX - Valid UEN-LOCAL CO as yyyynnnnnX - Valid UEN-OTHERS as TyyPQnnnnX <p>Mandatory field.</p>
purchaser	Object	This complex object holds the Purchaser/ Transferee/ Assignee details.
purchaser.purchaserDtl	Array	An array for purchaser objects.
purchaser.purchaserDtl.recordID	Number (3)	<p>Running sequence number of each purchaserDtl record. Must not have duplicate recordID.</p> <p>Mandatory field.</p>
purchaser.purchaserDtl.purchaserName	String (100)	<p>Name of Lessee / Tenant</p> <p>Mandatory field.</p>
purchaser.purchaserDtl.purchaserProfile	String (1)	<p>Profile of purchaser: S = Singapore Citizen P = Singapore Permanent Resident F = Foreigner N = Entity</p> <p>Mandatory field.</p>
purchaser.purchaserDtl.purchaserNationality	String (50)	<p>Country of nationality spelt out in full.</p> <p>Please refer to Appendix A for the full list of country of nationality.</p> <p>Mandatory field if purchaserDtl.purchaserProfile = P or F).</p>
purchaser.purchaserDtl.purchaserStayinSg	String (1)	<p>Is the Purchaser/ Transferee/ Assignee staying in Singapore? Y = Yes N = No</p> <p>Mandatory if purchaserDtl.purchaserProfile = F.</p>

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purchaser.purchaserDtl.entityReginSG	String (1)	Entity registered in Singapore Y = Yes N = No Mandatory if purchaserDtl.purchaserProfile = N
purchaser.purchaserDtl.purchaserIdType	String (4)	Must be the following ID types: 1 = NRIC 2 = FIN 5 = UEN-BUSINESS 6 = UEN-LOCAL CO 35 = UEN-OTHERS 100 =Passport No. 201 = Others - If purchaserDtl.purchaserProfile = S or P, only 1 is applicable - If purchaserDtl.entityReginSG =N, only 201 is applicable Mandatory field.
purchaser.purchaserDtl.purchaserIdNumber	String (20)	Must be one of the following: - Valid NRIC with prefix S/T - Valid FIN with prefix F/G - Valid WP must consist of 10 characters including space - Valid UEN-BUSINESS as nnnnnnnnX - Valid UEN-LOCAL CO as yyyynnnnnX - Valid UEN-OTHERS as TyyPQnnnnX Mandatory field.
purchaser.purchaserDtl.purchaserCountry	String (1)	Country of the mailing address 1 = Singapore 0 = Others Mandatory field.
purchaser.purchaserDtl.purchaserPostalCode	String (7)	Singapore postal code if applicable. Mandatory field.
purchaser.purchaserDtl.purchaserBlock	String (6)	Block of the property Field will only be used if postalCode is related to more than 1 block.
purchaser.purchaserDtl.purchaserStoreyNo	String (4)	Storey number when country is Singapore and where applicable if address has storey number.
purchaser.purchaserDtl.purchaserUnitNo	String (7)	Unit number when country is Singapore and must be filled up when storey number is filled in.
purchaser.purchaserDtl.purchaserUnformattedAddress1	String (50)	Unformatted address line 1 for foreign address

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		Mandatory if purchaserCountry = 0.
purchaser.purchaserDtl.purchaserUnformatAddress2	String (50)	Unformatted address line 2 for foreign address Mandatory if purchaserCountry = 0.
purchaser.purchaserDtl.purchaserUnformatAddress3	String (50)	Unformatted address line 3 for foreign address.
purchaser.purchaserDtl.purchaserUnformatAddress4	String (50)	Unformatted address line 4 for foreign address.
purchaser.purchaserDtl.totalPropertyOwned	Number (3)	Total number of residential property owned/ co-owned (including current purchase). Mandatory field.

Sample JSON request payload

```
{
  "contact": {
    "rULoginID": "FN75161L",
    "assignID": "A90007231H",
    "referenceNo": "122377181"
  },
  "document": {
    "docDescription": "2",
    "dateDateofDoc": "2018-02-20",
    "purchasePrice": "350000.00",
    "shareOfPropertyTransferred": "1",
    "floorArea": 150
  },
  "property": {
    "propertyDetails": [
      {
        "recordID": 1,
        "postalCode": "760108",
        "units": [
          {
            "level": "06",
            "unitNo": "122"
          },
          {
            "level": "06",
            "unitNo": "125"
          }
        ]
      }
    ],
    "type": "PPR",
    "residentialComponent": "350000.00",
    "aBSD": "2"
  }
},
  "vendor": {
    "vendorList": [
      {
        "recordID": 1,
        "vendorName": "Jonan Long",

```

```

        "vendorIdType": "1",
        "vendorIdNumber": "S7912931Z"
    },
    {
        "recordID": 2,
        "vendorName": "Joshua Lee",
        "vendorIdType": "1",
        "vendorIdNumber": "S7712331G"
    }
]
},
"purchaser": {
    "purchaserDt1": [
        {
            "recordID": 1,
            "name": "Sandy Wong",
            "purchaserIdNumber": "S8212931Z",
            "purchaserProfile": "S",
            "purchaserIdType": "1",
            "purchaserCountry": "1",
            "purchaserPostalCode": 760121,
            "purchaserLevel": "08",
            "purchaserUnitNo": "111",
            "totalPropertyOwned": 1
        }
    ]
}
}
}

```

4.5.2 Response Payload

data	Object	The object payload containing the information for the submitted eStamping request.
data.paymentSlipNo	String	The payment slip number when the stamp duty amount is above the threshold set. For users to reference during the payment for stamp duty.
data.stampCertRef	String	Stamp Certificate Reference.
data.docRefNo	Number	Document reference number of the document.
data.sdAmount	Number	Buyer's stamp duty. Only applicable for sale and purchase.
data.sdPenalty	Number	Penalty
data.sdAbsd	Number	Additional buyer's stamp duty. Only applicable to sale and purchase.
data.totalAmtPayable	Number	Total amount payable
data.paymentDueDate	String	Payment Due date
data.stampCertPDFBase64	String	Stamp Certificate PDF in Base64 encoding
data.paymentSlipPDFBase64	String	Payment Slip PDF in Base64 encoding
returnCode	As per Section 3.1.3	

info	
info.message	
info.messageCode	
info.fieldInfoList	
info.fieldInfoList.field	
info.fieldInfoList.message	
info.fieldInfoList.recordID	

Sample success JSON response payload

```
{
  "returnCode": 10,
  "data": {
    "stampCertRef": "061211-00SA4-1-001314317",
    "docRefNo": 2017101700006,
    "sdAmount": 5200,
    "sdAbsd": "0",
    "totalAmtPayable": 5200,
    "paymentDueDate": "2018-03-29",
    "stampCertPDFBase64": "7FFFFFFFFFFFFFFF... "
  },
  "info": {
    "fieldInfoList": []
  }
}
```

Sample error JSON response payload

```
{
  "returnCode": 30,
  "info": {
    "fieldInfoList": [
      {
        "field": "docDescription",
        "message": "Value cannot be null"
      }
    ],
    "message": "Arguments Error",
    "messageCode": 850301
  }
}
```

4.6 eStamp Sale & Purchase of Property (Seller’s Stamp Duty)

4.6.1 Request Payload

contact	Object	This complex object holds the contact details of the eStamp registered user.
contact.rULoginID	String (20)	RU login in ID. Mandatory field.
contact.assignID	String (16)	Assigned ID from IRAS for ISDS system.

		Mandatory field.
contact.referenceNo	String (30)	RU reference number.
document	Object	This complex object holds the document details.
document.docDescription	Number (3)	Description of the document: 72 = Acceptance to Option to Purchase (Ad valorem – Seller’s Stamp Duty) 73 = Letter of Authority (Ad valorem – Seller’s Stamp Duty) 71 = Sale and Purchase Agreement (Ad valorem – Seller’s Stamp Duty) 74 = Transfer/ Assignment/ Conveyance (Ad valorem – Seller’s Stamp Duty) Mandatory field.
document.dateAcquisition	String (10)	Date of Purchase/ Acquisition, specified in ISO-8601 format (YYYY-MM-DD). Mandatory field.
document.dateOfDoc	String (10)	Date of sale/ disposal (Date of document) , specified in ISO-8601 format (YYYY-MM-DD). Mandatory field.
document.dateDocReclnSg	String (10)	If document was signed overseas, date it was received in Singapore, specified in ISO-8601 format (YYYY-MM-DD).
document.sellingPrice	Number (11,2)	The selling price. Mandatory field. Not mandatory only when docDescription = 74.
document.openMarketPrice	Number (11,2)	To be given if the open market value is higher.
document.propertyType	String (3)	Property type: PPR = Private Residential Condominium PHR = HDB Residential PMU = Mixed Use (with Residential Component) PIN = Industrial Mandatory field.
document.resiCompSellingPrice	Number (11,2)	Selling price (residential component). Mandatory when propertyType

		= PMU.
document.resiCompOpenMarketPrice	Number (11,2)	If selling price of Residential component is not at market value, please key in the market value. Applicable when propertyType = PMU.
document.shareOfPropertyTransferred	String (1)	Share of Property Transferred: 1 = Full 2 = Partial Mandatory field.
document.fractionOfPropertyTransferredNumerator	String (5)	Fraction of Property Transferred (numerator). Mandatory if shareOfPropertyTransferred = 2
document.fractionOfPropertyTransferredDenominator	String (5)	Fraction of Property Transferred (denominator). Mandatory if shareOfPropertyTransferred = 2.
property	Object	This complex object holds the property details. Mandatory if subject is property.
property.propertyDetails	Array	An array for propertyDetails objects.
property.propertyDetails.recordID	Number (3)	Running sequence number of each propertyDetails record. Must not have duplicate recordID. Mandatory field.
property.propertyDetails.postalCode	String (7)	Postal Code of property Mandatory field.
property.propertyDetails.block	String (6)	Block of the property Field will only be used if postalCode is related to more than 1 block.
property.propertyDetails.units	Array	An array for units.
property.propertyDetails.units.level	String (4)	Level.
property.propertyDetails.units.unitNo	String (7)	Unit Number.
vacantLand	Object	This complex object holds the vacant land details. Mandatory if subject is vacant

		land.
vacantLand.vacantLandDetails	Array	An array for vacantLandDetails objects.
vacantLand.vacantLandDetails.recordID	Number (3)	Running sequence number of each vacantLandDetails record. Must not have duplicate recordID. Mandatory field.
vacantLand.vacantLandDetails.mkTS	String (10)	MK/ TS No. Mandatory field.
vacantLand.vacantLandDetails.lotNo	String (10)	Lot No.
vacantLand.vacantLandDetails.pLpTParcelNo	String (10)	PL/ PT/ Parcel No.
vacantLand.vacantLandDetails.streetName	String (65)	Street name
vendor	Object	This complex object holds the Vendor/ Transferor/ Assignor details.
vendor.vendorList	Array	Array of transferor.
vendor.vendorList.recordID	Number (3)	Running sequence number of each vendorList record. Must not have duplicate recordID. Mandatory field.
vendor.vendorList.vendorName	String (100)	Name of transferor. Mandatory field.
vendor.vendorList.vendorIdType	String (4)	Must be the following ID types: 1 = NRIC 2 = FIN 5 = UEN-BUSINESS 6 = UEN-LOCAL CO 35 = UEN-OTHERS 100 =Passport No. 201 = Others Mandatory field.
vendor.vendorList.vendorIdNumber	String (20)	Must be one of the following: - Valid NRIC with prefix S/T - Valid FIN with prefix F/G - Valid WP must consist of 10 characters including space - Valid UEN-BUSINESS as nnnnnnnnX - Valid UEN-LOCAL CO as yyyynnnnnX - Valid UEN-OTHERS as TyyPQnnnnX Mandatory field.

vendor.vendorList.vendorCountry	String (1)	Country of the mailing address 1 = Singapore 0 = Others Mandatory field.
vendor.vendorList.vendorPostalCode	String (7)	Singapore postal code if applicable. Mandatory field.
vendor.vendorList.vendorBlock	String (6)	Block of the property Field will only be used if postalCode is related to more than 1 block.
vendor.vendorList.vendorLevel	String (4)	Level when country is Singapore and where applicable if address has level.
vendor.vendorList.vendorUnitNo	String (7)	Unit number when country is Singapore and must be filled up when level is filled in.
vendor.vendorList.vendorUnformatAddress1	String (50)	Unformatted address line 1 for foreign address Mandatory if vendorList.vendorCountry = 0.
vendor.vendorList.vendorUnformatAddress2	String (50)	Unformatted address line 2 for foreign address Mandatory if vendorList.vendorCountry = 0.
vendor.vendorList.vendorUnformatAddress3	String (50)	Unformatted address line 3 for foreign address.
vendor.vendorList.vendorUnformatAddress4	String (50)	Unformatted address line 4 for foreign address.
purchaser	Object	This complex object holds the Purchaser/ Transferee/ Assignee details.
purchaser.purchaserDtl	Array	An array for purchaser objects.
purchaser.purchaserDtl.recordID	Number (3)	Running sequence number of each purchaserDtl record. Must not have duplicate recordID. Mandatory field.
purchaser.purchaserDtl.purchaserName	String (100)	Name of Lessee / Tenant Mandatory field.
purchaser.purchaserDtl.purchaserIdType	String (4)	Must be the following ID types: 1 = NRIC 2 = FIN 5 = UEN-BUSINESS 6 = UEN-LOCAL CO 35 = UEN-OTHERS 100 =Passport No.

		201 = Others Mandatory field.
purchaser.purchaserDtl.purchaserIdNumber	String (20)	Must be one of the following: <ul style="list-style-type: none"> - Valid NRIC with prefix S/T - Valid FIN with prefix F/G - Valid WP must consist of 10 characters including space - Valid UEN-BUSINESS as nnnnnnnnX - Valid UEN-LOCAL CO as yyyynnnnnX - Valid UEN-OTHERS as TyyPQnnnnX Mandatory field.
purchaser.purchaserDtl.purchaserCountry	String (1)	Country of the mailing address 1 = Singapore 0 = Others Mandatory field.
purchaser.purchaserDtl.purchaserPostalCode	String (7)	Singapore postal code if applicable. Mandatory field.
purchaser.purchaserDtl.purchaserBlock	String (6)	Block of the property Field will only be used if postalCode is related to more than 1 block.
purchaser.purchaserDtl.purchaserLevel	String (4)	Storey number when country is Singapore and where applicable if address has level.
purchaser.purchaserDtl.purchaserUnitNo	String (7)	Unit number when country is Singapore and must be filled up when level is filled in.
purchaser.purchaserDtl.purchaserUnformatAddress1	String (50)	Unformatted address line 1 for foreign address Mandatory if purchaserDtl.purchaserCountry = 0.
purchaser.purchaserDtl.purchaserUnformatAddress2	String (50)	Unformatted address line 2 for foreign address Mandatory if purchaserDtl.purchaserCountry = 0.
purchaser.purchaserDtl.purchaserUnformatAddress3	String (50)	Unformatted address line 3 for foreign address.
purchaser.purchaserDtl.purchaserUnformatAddress4	String (50)	Unformatted address line 4 for foreign address.

Sample JSON request payload

```

{
  "contact": {
    "rULoginID": "FN75161L",
    "assignID": "A90007231H",
    "referenceNo": "122377181"
  },
  "document": {
    "docDescription": "72",
    "dateAcquisition": "2017-11-05",
    "dateDateofDoc": "2018-02-20",
    "sellingPrice": "350000.00",
    "propertyType": "PPR",
    "shareOfPropertyTransferred": "1"
  },
  "property": {
    "propertyDetails": [
      {
        "recordID": 1,
        "postalCode": "760108",
        "units": [
          {
            "level": "06",
            "unitNo": "122"
          }
        ]
      }
    ]
  },
  "vendor": {
    "vendorList": [
      {
        "recordID": 1,
        "vendorName": "Jonan Long",
        "vendorIdType": "1",
        "vendorIdNumber": "S7912931Z",
        "vendorCountry": "1",
        "vendorPostalCode": 760121,
        "vendorLevel": "08",
        "vendorUnitNo": "111"
      },
      {
        "recordID": 2,
        "vendorName": "Joshua Lee",
        "vendorIdType": "1",
        "vendorIdNumber": "S7712331G",
        "vendorCountry": "1",
        "vendorPostalCode": 760121,
        "vendorLevel": "08",
        "vendorUnitNo": "111"
      }
    ]
  },
  "purchaser": {
    "purchaserDt1": [
      {
        "recordID": 1,
        "name": "Sandy Wong",

```

```

        "purchaserIdNumber": "S8212931Z",
        "purchaserIdType": "1",
        "purchaserCountry": "1",
        "purchaserPostalCode": 760121,
        "purchaserLevel": "08",
        "purchaserUnitNo": "111"
    }
]
}

```

4.6.2 Response Payload

data	Object	The object payload containing the information for the submitted eStamping request.
data.paymentSlipNo	String	The payment slip number, when the stamp duty amount is above the threshold set. For users to reference during the payment for stamp duty.
data.stampCertRef	String	Stamp Certificate Reference.
data.docRefNo	Number	Document reference number of the document.
data.sdAmount	Number	Stamp duty
data.sdPenalty	Number	Penalty
data.totalAmtPayable	Number	Total amount payable
data.paymentDueDate	String	Payment Due date
data.stampCertPDFBase64	String	Stamp Certificate PDF in Base64 encoding
data.paymentSlipPDFBase64	String	Payment Slip PDF in Base64 encoding
returnCode	As per Section 3.1.3	
info		
info.message		
info.messageCode		
info.fieldInfoList		
info.fieldInfoList.field		
info.fieldInfoList.message		
info.fieldInfoList.recordID		

Sample success JSON response payload

```

{
  "returnCode": 10,
  "data": {
    "stampCertRef": "061211-00SD4-1-001314317",
    "docRefNo": 2017101700006,
    "sdAmount": 42000,
    "totalAmtPayable": 42000,
    "paymentDueDate": "2018-03-29",
    "stampCertPDFBase64": "7FFFFFFFFFFFFFFF... "
  }
}

```

```

    },
    "info": {
        "fieldInfoList": []
    }
}

```

Sample error JSON response payload

```

{
    "returnCode": 30,
    "info": {
        "fieldInfoList": [
            {
                "field": "docDescription",
                "message": "Value cannot be null"
            }
        ],
        "message": "Arguments Error",
        "messageCode": 850301
    }
}

```

5. Sample Code (C#)

```

using System;
using System.Net;
using System.IO;
using System.Text;

// jsonData – contains data from Section 3.1.1 of this document
public static void callWebAPI(string jsonData, string url)
{
    try
    {
        var httpRequest = (HttpWebRequest)WebRequest.Create(url);
        httpRequest.ContentType = "application/json";
        httpRequest.Method = "POST";

        //Step 1: Enter the Client-Id given by IRAS
        httpRequest.Headers["Client-Id"] = "{YOUR_CLIENT_ID}";
        //Step 2: Enter the Client-Secret given by IRAS
        httpRequest.Headers["Client-Secret"] = "{YOUR_CLIENT_SECRET}";
        //Step 3: Enter the Sign-Hash-Signature
        httpRequest.Headers["signature"] = "{YOUR_SIGN_HASH_SIGNATURE}";

        // Step 3: Call API using POST
        using (var streamWriter = new StreamWriter(httpRequest.GetRequestStream()))
        {
            streamWriter.Write(jsonData);
            streamWriter.Flush();
            streamWriter.Close();
        }

        // Step 3a: Output response
        var httpResponse = (HttpWebResponse)httpRequest.GetResponse();
        using (var streamReader = new StreamReader(httpResponse.GetResponseStream()))
        {
            var result = streamReader.ReadToEnd();
            //print the received response
            Console.WriteLine(result);
        }
    }
}

```

```
}
catch (WebException e)
{
    if (!string.IsNullOrEmpty(e.Message))
    {
        // Step 3b: Print general errors
        Console.WriteLine("Exception - ");
        Console.WriteLine(e.Message);
    }

    if (e.Response != null)
    {
        // Step 3c: Print Output response exception
        Stream receiveStream = e.Response.GetResponseStream();
        StreamReader readStream = new StreamReader(receiveStream, Encoding.UTF8);
        // print the error received from Server
        Console.WriteLine("Response error received - ");
        Console.WriteLine(readStream.ReadToEnd());
    }
}
}
```

APPENDIX A – List of Country of Nationality

AFGHANISTAN	COMOROS	HONDURAS	MOROCCO	SPRATLY ISLANDS
ALBANIA	CONGO	HONG KONG	MYANMAR	SRI LANKA
ALGERIA	COOK ISLANDS	HUNGARY	MOZAMBIQUE	ST. KITTS-NEVIS
AMERICAN SAMOA	COSTA RICA	ICELAND	NAMIBIA	STATELESS
ANDORRA	COTE D'IVOIRE	INDIA	NAURU	SUDAN
ANGOLA	CROATIA	INDONESIA	NEPAL	SWAZILAND
ANGUILLA	CUBA	IRAN	NETHERLANDS	SWEDEN
ANTARCTICA	CYPRUS	IRAQ	NEW ZEALAND	SWITZERLAND
ARGENTINA	CZECH REPUBLIC	IRELAND	NICARAGUA	SYRIA
ARMENIA	DENMARK	ISRAEL	NIGER	TAIWAN
AUSTRALIA	DR OF THE CONGO	ITALY	NIGERIA	TAJIKISTAN
AUSTRIA	DJIBOUTI	JAMAICA	NORTH KOREA	TANZANIA
AZERBAIJAN	DOMINICA	JAPAN	NORWAY	THAILAND
BAHAMAS	DOMINICAN REPUBLIC	JERSEY	OMAN	TIBET
BAHRAIN	EAST TIMOR	JORDAN	PAKISTAN	TIMOR-LESTE
BANGLADESH	EGYPT	KAZAKHSTAN	PALAU	TOGO
BARBADOS	EL SALVADOR	KENYA	PANAMA	TONGA
BELARUS	EQUATORIAL GUINEA	KIRIBATI	PALESTINE	TRINIDAD AND TOBAGO
BELGIUM	ERITREA	KUWAIT	PAPUA NEW GUINEA	TUNISIA
BELIZE	ESTONIA	KYRGYZSTAN	PARAGUAY	TURKEY
BENIN	ETHIOPIA	LAO PDR	PERU	TURKMENISTAN
BERMUDA	FALKLAND ISLANDS	LATVIA	PHILLIPINES	TUVALU
BHUTAN	FAROE ISLANDS	LEBANON	POLAND	UGANDA
BOLIVIA	FIJI	LESOTHO	PORTUGAL	UKRAINE
BOSNIA AND HERZEGOVINA	FINLAND	LIBERIA	PUERTO RICO	UNITED ARAB EMIRATES
BOTSWANA	FRANCE	LIBYA	QATAR	UNITED KINGDOM
BOUVET ISLAND	FRENCH GUIANA	LIECHTENSTEIN	REP. OF MOLDOVA	USA
BRAZIL	FRENCH POLYNESIA	LITHUANIA	ROMANIA	URUGUAY
BRITISH INDIAN OCEAN TERRITORY	GABON	LUXEMBOURG	RUSSIA	UZBEKISTAN
BRITISH VIRGIN ISLANDS	GAMBIA	MACAU SAR	RWANDA	VANUATU
BRUNEI	GEORGIA	MACEDONIA	SAMOA	VATICAN CITY
BULGARIA	GERMANY	MADAGASCAR	SAN MARINO	VENEZUELA
BURKINA FASO	GHANA	MALAWI	SAO TOME & PRINCIPE	VIETNAM
BURUNDI	GIBRALTAR	MALAYSIA	SAUDI ARABIA	VIRGIN ISLANDS
CAMBODIA	GREAT BRITAIN	MALDIVES	SENEGAL	YEMEN
CAMEROON	GREECE	MALI	SERBIA AND MONTENEGRO	ZAIRE
CANADA	GREENLAND	MALTA	SEYCHELLIS	ZAMBIA
CAPE VERDE	GRENADA	MARSHALL ISLANDS	SIERRA LEONE	ZIMBABWE

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CAYMAN ISLANDS	GUADELOUPE	MAURITANIA	SLOVAKIA	
CENTRAL AFRICAN REPUBLIC	GUAM	MAURITIUS	SLOVENIA	
CHAD	GUATEMALA	MEXICO	SOLOMAN ISLANDS	
CHILE	GUERNSEY	MICRONESIA	SOMALIA	
CHINA	GUINEA	MONACO	SOUTH AFRICA	
CHRISTMAS ISLAND	GUINEA-BISSAU	MONGOLIA	SOUTH KOREA	
COLOMBIA	HAITI	MONTENEGRO	SPAIN	

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