



CDR – Information Consumer Pack

Technical Documentation

Date: 29/09/2020

Version: 3.0

Department: Strategy & Business Department

Unclassified

Document Control Information

01. Document reference

SBD-GDL-CDRConsumerInformationPack-v2.9.doc

02. Document type

Technical Documentation

03. Security classification Un-Classified

04. Synopsis

The CDR Consumer Information Pack is targeted to any consumer (Government Department / Entity) which requires information from the Corporate Data Repository. This document contains both business and technical information which might require individual/s to have various competence levels

05. Document control

Author	Change controller	Distribution controller
Norman Calleja	Enterprise Data Management	Enterprise Data Management

06. Authorisation

Issuing authority	Approval Authority
Enterprise Data Management	Enterprise Data Management
Signature / Date	Signature / Date

07. Modification history

Version	Date	Comments
Draft 0.1	03/05/2010	Draft version
Version 1.0	01/06/2010	First version for release
Version 2.0	29/09/2010	Updated additional web methods
Version 2.2	25/10/2010	Removal of the following statement from page 10: <i>“Requests for new data products”</i>
Version 2.3	27/10/2010	Removed application specific web methods from documentation

Version 2.4	15/11/2010	Added 2 new web methods (<i>Ws_CDR_Locality_ByName_Exact</i> and <i>Ws_CDR_Street_ByName_Exact</i>)
Version 2.5	06/12/2010	Added new web methods (<i>WS_CDR_Currency_ByAlphaCode</i> , <i>WS_CDR_Currency_ByName</i> , <i>WS_CDR_Currency_ByNumCode</i> , <i>WS_CDR_Currency_ByPK</i> , <i>WS_CDR_Currency_List</i> , <i>WS_CDR_School_ByLocality</i> , <i>WS_CDR_School_ByName</i> , <i>WS_CDR_School_ByPK</i> , <i>WS_CDR_School_List</i> , <i>Ws_CDR_OrganisationalUnit_List</i>)
Version 2.6	21/08/2012	Updated the url in Section 5 to reflect https; Updated the primary key attribute descriptions of all the Street web methods to reflect Street instead of Locality; 03.3 Web Service Description – updated URL.
Version 2.7	19/09/2012	Removed <i>Ws_CDR_MedicalDoctor_ByIDNO_2320</i> ; and updated CDR Web services categories.
Version 2.8	01/10/2012	Inserted new web method - Person Siblings.
Version 2.9	11/09/2019	Updated Section 3 to reflect the added web methods <i>WS_CDR_PersonAddress_ByIDNO_NIDMS</i> <i>WS_CDR_PersonMother_ByIDNO</i> <i>WS_CDR_PersonFather_ByIDNO</i> <i>WS_CDR_PersonSpouse_ByIDNO</i> <i>WS_CDR_PersonParent_byIDNO_NIDMS</i>
Version 3.0	29/09/2020	New MITA logos as part of MITA rebranding.

08. References

N/A

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Definitions

API	Application Programming Interface
CDB	Common DataBase
CDR	Corporate Data Repository (CDR data warehouse)
CDR Adapter	The API used to access CDR
GDPR	General Data Protection Regulation
HTTPS	Hypertext Transfer Protocol Secure
IMA	Identity Malta Agency
MITA	Malta Information Technology Agency
NDP	National Data Portal (data.gov.mt)
RFS	Request for Service web application.(rfs.gov.mt)
WSDL	Web Service Description Language
XML	Extensible Markup Language

01. Introduction

The Corporate Data Repository (CDR) Adapter service is being offered by the Malta Information Technology Agency (MITA) to its clients in order to access data from the CDR data warehouse. The main benefits of this service are that it enables data consumers to access data irrespective of technology utilised and at the same time it enables users to encapsulate the source of the mentioned data. MITA believes that this centralised approach to data provisioning from various government departments and making it available through the CDR Web Service will provide the following benefits:

- **Sharing of resources:** The common data used across government departments will be accessible from one place thus enabling various entities to access this data in a faster and easier manner through one single account.
- **Avoidance of duplication:** This service offers the possibility to public service organisations to consume and use data captured from the authoritative government entity and thus avoids duplication of data.
- **Once Only Principle:** This service offers the possibility to public service organisations to consume and use data already collected.

02. How does it work?

In order to facilitate accessibility to the corporate data repository, MITA has implemented a Web service as an interface for this data. This Web service exposes several functionalities to authorised users through a set of standard web protocols and provides a description of this interface in enough detail to allow a consumer to build a client application that can consume this service.

The diagram below depicts the sequence followed for getting data from the CDR through the CDR Adapter Web service. At no point in time does any consumer communicate directly to the CDR database.

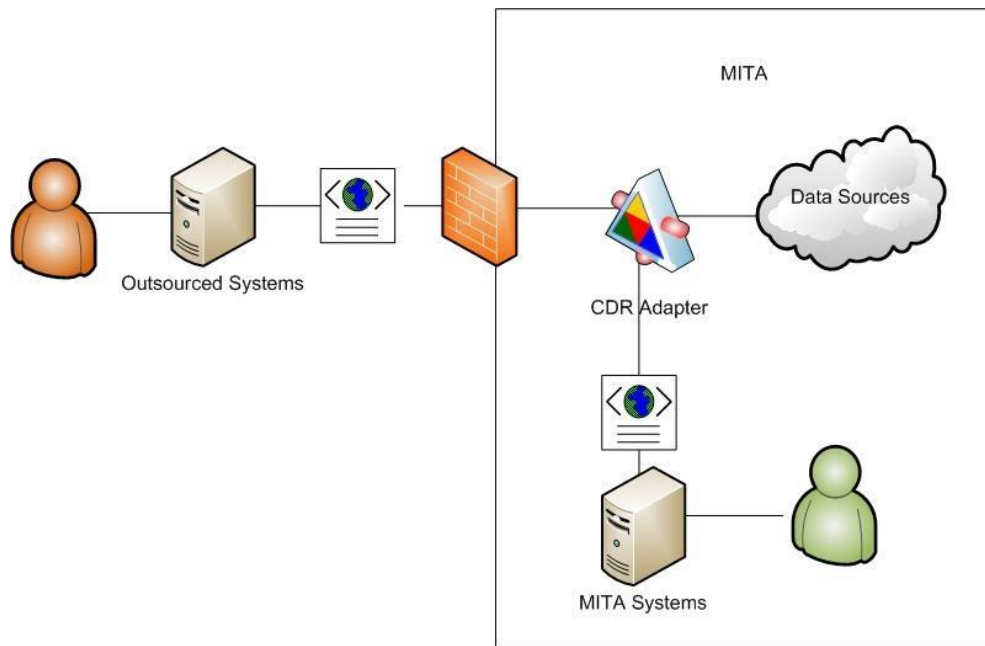


Diagram 1

CDR Data retrieved through CDR Adapter Web service

02.1 CDR Adapter Web Service Process

When an application requires access to CDR, it will invoke the CDR Adapter Web service which will retrieve the information needed. The diagram below highlights the process of how the CDR Adapter Web service is invoked and consumed by an application.

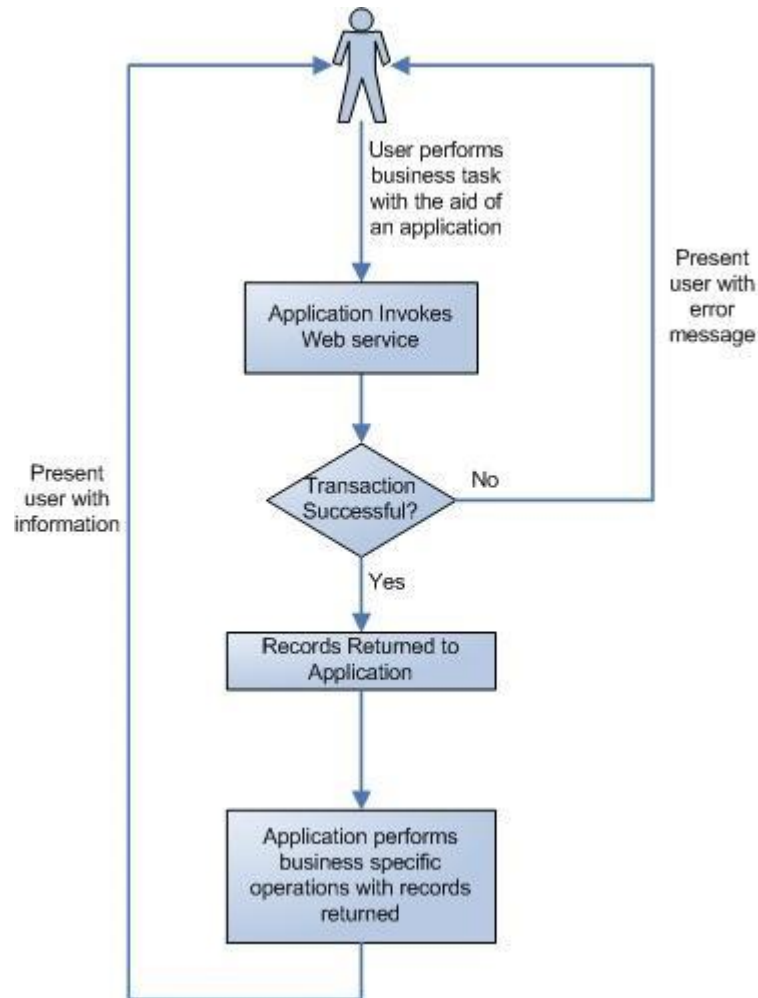


Diagram 2

CDR Adapter Web Service Process

03. How can I use it?

The CDR is available for integration via CDR Adapter Web service. This is a synchronous mechanism through which communication between the Supplier application and the CDR is done in real time, ensuring that the application is informed of any failure. The Supplier application would need to contain the logic that handles any failures retries, etc.

The steps below will guide a user in the process of invocation and consumption of the CDR Adapter Web service.

03.1 Application access request

The application to access the CDR Adapter Web service will need to be requested and logged through the RFS website. This service will need to be requested by the relevant CIO and Business Owner. In return the supplier will be given the necessary credentials to access the CDR Adapter Web service with the requested web methods that will be approved within the RFS process.

The following information must be submitted through the RFS:

- Business User
- Application name
- Supplier details
- Category of web methods to be utilised

Kindly note that personal data sourced from IMA might require the submission of additional approvals.

SERVICE REQUEST FROM

For assistance before applying for this service, kindly send an email to: data.governance@gov.mt

*Application System Name *Type a value*

*Who is developing the application? *Type a value*

*Kindly identify which web method category is required.

<input type="checkbox"/> Address <input type="checkbox"/> Bank Branch <input type="checkbox"/> Country <input type="checkbox"/> Gender <input type="checkbox"/> Language <input type="checkbox"/> Locality <input type="checkbox"/> Person Address <input type="checkbox"/> Person Title <input type="checkbox"/> Role Person <input type="checkbox"/> Street	<input type="checkbox"/> Bank <input type="checkbox"/> Citizenship <input type="checkbox"/> Currency <input type="checkbox"/> ID Card <input type="checkbox"/> Local Council <input type="checkbox"/> Organisational Unit <input type="checkbox"/> Person Dead <input type="checkbox"/> Role <input type="checkbox"/> School <input type="checkbox"/> User Account
--	---

For a detailed list of web methods per category, please read through the CDR Web services documentation available at:
[Corporate Data Repository](#)

This list of Data Products should be agreed between the developer and MITA, and subsequently notified to the owner of the Application.

RFS; CDR Adapter screen.

Subsequent changes to the business requirements are also managed through the RFS application.

03.2 Authentication

Access to the CDR Adapter Web service is restricted. Authentication credentials will be provided by MITA to the relevant Business Owner after the RFS mentioned in the section above has been approved in order to enable user (through the system) to access the web methods inside this service.

03.1 Authorisation

Authorisations to individual web methods are requested during the application process and are handled by the CDR Adapter.

03.3 Web Service Description

Upon successful authentication, the CDR Adapter web methods will become available for consumption. It is recommended that the Web Service Description Language (WSDL) file is retrieved. The WSDL file which is XML-based will ensure that the data consumers have updated information on:


- How to call the web methods within the Web service?
- What kind of data to expect in return.

The following is the link for the WSDL file mentioned above:

<https://api.data.gov.mt/cdr/v01/restricted/CDRAdapter.wsdl>

03.4 Usage Examples

The following code snippet demonstrates how to connect to the CDR Adapter Web service and consume the Ws_CDR_PersonAddress_ByIDNO web method. This example can be adapted to consume other CDR Adapter web methods.

 VB.NET

```
var CDRCredentials = new System.Net.NetworkCredential("username","password");  
var CDR_Details = new mt.gov.data.api.CDR_PersonAddress_ByIDNO();  
var Adapter = new mt.gov.data.api.CDRAdapter();  
Adapter.PreAuthenticate = true;  
Adapter.Credentials = CDRCredentials;  
CDR_Details = Adapter.ws_CDR_PersonAddress_ByIDNO(idCard);
```

 C#

```
CDRWS.CDRAdapterSoapClient CDRWSClient = new CDRWS.CDRAdapterSoapClient();  
CDRWS.CDR_PersonAddress_ByIDNO_result CDRWSresult;  
  
CDRWSClient.ClientCredentials.UserName.UserName = "username";  
CDRWSClient.ClientCredentials.UserName.Password = "password";  
  
CDRWSresult = CDRWSClient.ws_CDR_PersonAddress_ByIDNO("IDCARD").Results[0];
```

N.B. The client must provide a valid username and password in order to successfully connect to the Web service, which will allow the user to consume the relevant web methods.

03.5 Interpretation of Web Service output results

The CDR Adapter Web service discussed in the sections above returns a standardised set of values to notify the merchant's application of the transaction's state, reference information and related messages.

The merchant's application must go through the following steps each time a call is affected:

- a) Verify whether the transaction was successful or not. This is reflected by either a 0 or a negative value in the retval return value as described above.

The 0 result from the individual transaction call means that the CDR Adapter Web service successfully managed to perform the transaction both from an infrastructure (network, process, etc.) and business perspective.

Any other retval value implies that there was either a system or business error. In this case, the merchant application must issue a user-friendly message to inform the user that the transaction was not completed.

03.6 Error Codes

In the occurrence of errors within the CDR Adapter Web service, the resulting value of the <retval> tags will be a numeric value less than zero. The possible error code values are briefly explained below:

The return error codes are to be used by the third-party supplier to identify the problem behind the failure of a web method invocation.

Error Code	Error Description	Solution
-1	Data Source Error Occurs when connection with the data source fails or authorization to access the methods has not been set.	Contact MITA
-2	Malicious Input Error Occurs when an input parameter provided to the CDR Adapter Web service contains characters or codes that are tagged as malicious.	Confirm that values being passed to the Web service are legitimate. Data validation details (type, range, etc) should be included in this document.

-3	Input Range Error Occurs when an input parameter provided to the CDR Adapter Web service is longer than expected.	Confirm that type, format and length of values being passed are valid
-4	Active Directory Authentication Error Occurs either when the authentication of the provided Active Directory account fails or when Account Configuration is not completed by MITA.	Contact MITA to confirm system Account configuration
-9	Generic Error Other type of internal failure.	Contact MITA

04. Technical Documentation

This section covers the technical aspects of the CDR Adapter web service.

The generic CDR Adapter Web methods provided by MITA offer access to an array of information such as addresses, bank details, bank branch details, identity card details, person's details, government roles and user account details.

Below is a list of the actual web methods with the respective input and output description.

04.1 CDR Adapter Web Methods (Referential Data)

04.1.1 Bank

04.1.1.1 Ws_CDR_Bank_ByName Web Method Information

Description:

The details of a bank are retrieved when bank name is submitted to web method.

Input Parameters Description:

No.	Parameter Name	Type	Optional	Description
1	Name	string	No	The name of bank

Input Data Information:

Data Fields	Sample
Name	Bank of Valletta Ltd

Output Parameters Description:

No.	Parameter Name	Type	Description														
1	BankPK	int	The primary key of a bank														
2	BankName	string	The name of a bank														
3	BankBIC	string	The BIC of a bank														
4	BankSortCode	string	The sort code of a bank														
5	BankCountry	string	The country in which bank resides														
6	BankStatus	string	Indicates status of bank e.g. Active														
7	RecordsReturned	int	The number of records returned														
8	Retval	int	Possible CDR adapter return Values: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Successful Execution</td> </tr> <tr> <td>-1</td> <td>Data Source Error</td> </tr> <tr> <td>-2</td> <td>Malicious Input Error</td> </tr> <tr> <td>-3</td> <td>Input Range Error</td> </tr> <tr> <td>-4</td> <td>Active Directory Authentication Error</td> </tr> <tr> <td>-9</td> <td>Generic Error</td> </tr> </tbody> </table>	Value	Description	0	Successful Execution	-1	Data Source Error	-2	Malicious Input Error	-3	Input Range Error	-4	Active Directory Authentication Error	-9	Generic Error
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0	Successful Execution																
-1	Data Source Error																
-2	Malicious Input Error																
-3	Input Range Error																
-4	Active Directory Authentication Error																
-9	Generic Error																

Output Data Information:

	+ve Sample	-ve Sample
No of Records Returned	1	0
Data Fields		
BankPK	4	N/A

BankName	Bank of Valletta Ltd	N/A
BankBIC	VALLMTMT	N/A
BankSortCode	22	N/A
BankCountry	MALTA	N/A
BankStatus	A	N/A
RecordsReturned	1	0
Retval	0	-1/-2/-3/-4/-9

04.1.1.2 Ws_CDR_Bank_ByPK Web Method Information

Description:

The details of a bank are retrieved when bank primary key is submitted to web method.

Input Parameters Description:

No.	Parameter Name	Type	Optional	Description
1	PK	int	No	The primary key of a bank

Input Data Information:

Data Fields	Sample
PK	4

Output Parameters Description:

No.	Parameter Name	Type	Description														
1	BankPK	int	The primary key of bank														
2	BankName	string	The name of a bank														
3	BankBIC	string	The BIC of a bank														
4	BankSortCode	string	The sort code of a bank														
5	BankCountry	string	The country in which bank resides														
6	BankStatus	string	Indicates status of bank e.g. Active														
7	RecordsReturned	int	The number of records returned														
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0	Successful Execution																
-1	Data Source Error																
-2	Malicious Input Error																
-3	Input Range Error																
-4	Active Directory Authentication Error																
-9	Generic Error																

Output Data Information:

	+ve Sample	-ve Sample
No of Records Returned	1	0
Data Fields		
BankPK	4	N/A
BankName	Bank of Valletta Ltd	N/A
BankBIC	VALLMTMT	N/A
BankSortCode	22	N/A
BankCountry	MALTA	N/A
BankStatus	A	N/A

RecordsReturned	1	0
Retval	0	-1/-2/-3/-4/-9

04.1.1.3 Ws_CDR_Bank_List Web Method Information

Description:

A list of banks is retrieved when web method is invoked.

Input Parameters Description:

None

Output Parameters Description:

No.	Parameter Name	Type	Description														
1	BankPK	int	The primary key of a bank														
2	BankName	string	The name of a bank														
3	BankBIC	string	The BIC of a bank														
4	BankSortCode	string	The sort code of a bank														
5	BankCountry	string	The country in which bank resides														
6	BankStatus	string	Indicates status of bank e.g. Active														
7	RecordsReturned	int	The number of records returned														
8	Retval	int	Possible CDR adapter return Values: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Successful Execution</td> </tr> <tr> <td>-1</td> <td>Data Source Error</td> </tr> <tr> <td>-2</td> <td>Malicious Input Error</td> </tr> <tr> <td>-3</td> <td>Input Range Error</td> </tr> <tr> <td>-4</td> <td>Active Directory Authentication Error</td> </tr> <tr> <td>-9</td> <td>Generic Error</td> </tr> </tbody> </table>	Value	Description	0	Successful Execution	-1	Data Source Error	-2	Malicious Input Error	-3	Input Range Error	-4	Active Directory Authentication Error	-9	Generic Error
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0	Successful Execution																
-1	Data Source Error																
-2	Malicious Input Error																
-3	Input Range Error																
-4	Active Directory Authentication Error																
-9	Generic Error																

Output Data Information:

	+ve Sample	-ve Sample
No of Records Returned	0,1 or many	0
Data Fields		
BankPk	4	N/A
BankName	Bank of Valletta Ltd	N/A
BankBIC	VALLMTMT	N/A
BankSortCode	22	N/A
BankCountry	MALTA	N/A
BankStatus	A	N/A
RecordsReturned	0,1 or many	0
Retval	0	-1/-2/-3/-4/-9

04.1.2 Bank Branch

04.1.2.1 Ws_CDR_BankBranch_ByName Web Method Information

Description:

The details of bank branch are retrieved when branch name is submitted to web method.

Input Parameters Description:

No.	Parameter Name	Type	Optional	Description
1	Name	string	No	The name of bank branch

Input Data Information:

Data Fields	Sample
Name	BOV Attard

Output Parameters Description:

No.	Parameter Name	Type	Description														
1	BankBranchPK	int	The primary key of a bank branch														
2	BankBranchName	string	The name of a bank branch														
3	BankBranchBankName	string	The bank name of a bank branch														
4	BankBranchBIC	string	The BIC of a bank branch														
5	BankBranchSortCode	string	The sort code of a bank branch														
6	BankBranchCountry	string	The country in which bank branch resides														
7	BankBranchStatus	string	Indicates status of bank branch e.g. Active														
9	RecordsReturned	int	The number of records returned														
10	Retval	int	Possible CDR adapter return Values: <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Successful Execution</td> </tr> <tr> <td>-1</td> <td>Data Source Error</td> </tr> <tr> <td>-2</td> <td>Malicious Input Error</td> </tr> <tr> <td>-3</td> <td>Input Range Error</td> </tr> <tr> <td>-4</td> <td>Active Directory Authentication Error</td> </tr> <tr> <td>-9</td> <td>Generic Error</td> </tr> </tbody> </table>	Value	Description	0	Successful Execution	-1	Data Source Error	-2	Malicious Input Error	-3	Input Range Error	-4	Active Directory Authentication Error	-9	Generic Error
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-2	Malicious Input Error																
-3	Input Range Error																
-4	Active Directory Authentication Error																
-9	Generic Error																

Output Data Information:

	+ve Sample	-ve Sample
No of Records Returned	1	0
Data Fields		
BankBranchPK	7	N/A
BankBranchName	BOV Attard	N/A
BankBranchBankName	Bank of Valletta Ltd	N/A
BankBranchBIC	NULL	N/A
BankBranchSortCode	22127	N/A
BankBranchCountry	MALTA	N/A
BankBranchStatus	A	N/A
RecordsReturned	1	0
Retval	0	-1/-2/-3/-4/-9

04.1.2.2 Ws_CDR_BankBranch_BySortCode Web Method Information

Description:

The details of bank branch are retrieved when branch sort code is submitted to web method.

Input Parameters Description:

No.	Parameter Name	Type	Optional	Description
1	Name	string	No	The sort code of bank branch

Input Data Information:

Data Fields	Sample
Name	22127

Output Parameters Description:

No.	Parameter Name	Type	Description														
1	BankBranchPK	int	The primary key of a bank branch														
2	BankBranchName	string	The name of a bank branch														
3	BankBranchBankName	string	The bank name of a bank branch														
4	BankBranchBIC	string	The BIC of a bank branch														
5	BankBranchSortCode	string	The sort code of a bank branch														
6	BankBranchCountry	string	The country in which bank branch resides														
7	BankBranchStatus	string	Indicates status of bank branch e.g. Active														
8	RecordsReturned	int	The number of records returned														
9	RetVal	int	Possible CDR adapter return Values: <table border="1" data-bbox="758 757 1385 954"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Successful Execution</td> </tr> <tr> <td>-1</td> <td>Data Source Error</td> </tr> <tr> <td>-2</td> <td>Malicious Input Error</td> </tr> <tr> <td>-3</td> <td>Input Range Error</td> </tr> <tr> <td>-4</td> <td>Active Directory Authentication Error</td> </tr> <tr> <td>-9</td> <td>Generic Error</td> </tr> </tbody> </table>	Value	Description	0	Successful Execution	-1	Data Source Error	-2	Malicious Input Error	-3	Input Range Error	-4	Active Directory Authentication Error	-9	Generic Error
Value	Description																
0	Successful Execution																
-1	Data Source Error																
-2	Malicious Input Error																
-3	Input Range Error																
-4	Active Directory Authentication Error																
-9	Generic Error																

Output Data Information:

	+ve Sample	-ve Sample
No of Records Returned	1	0
Data Fields		
BankBranchPK	7	N/A
BankBranchName	BOV Attard	N/A
BankBranchBankName	Bank of Valletta Ltd	N/A
BankBranchBIC	NULL	N/A
BankBranchSortCode	22127	N/A
BankBranchCountry	MALTA	N/A
BankBranchStatus	MALTA	N/A
RecordsReturned	1	0
RetVal	0	-1/-2/-3/-4/-9

04.1.2.3 Ws_CDR_BankBranch_List Web Method Information

Description:

A list of bank branches is retrieved when web method is invoked.

Input Parameters Description:

None

Output Parameters Description:

No.	Parameter Name	Type	Description
1	BankBranchPK	int	The primary key of a bank branch
2	BankBranchName	string	The name of a bank branch

3	BankBranchBankName	string	The bank name of a bank branch														
4	BankBranchBIC	string	The BIC of a bank branch														
5	BankBranchSortCode	string	The sort code of a bank branch														
6	BankBranchCountry	string	The country in which bank branch resides														
7	BankBranchStatus	string	Indicates status of a bank branch e.g. Active														
8	RecordsReturned	int	The number of records returned														
9	Retval	int	Possible CDR adapter return Values: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Value</th> <th style="text-align: left;">Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Successful Execution</td> </tr> <tr> <td>-1</td> <td>Data Source Error</td> </tr> <tr> <td>-2</td> <td>Malicious Input Error</td> </tr> <tr> <td>-3</td> <td>Input Range Error</td> </tr> <tr> <td>-4</td> <td>Active Directory Authentication Error</td> </tr> <tr> <td>-9</td> <td>Generic Error</td> </tr> </tbody> </table>	Value	Description	0	Successful Execution	-1	Data Source Error	-2	Malicious Input Error	-3	Input Range Error	-4	Active Directory Authentication Error	-9	Generic Error
Value	Description																
0	Successful Execution																
-1	Data Source Error																
-2	Malicious Input Error																
-3	Input Range Error																
-4	Active Directory Authentication Error																
-9	Generic Error																

Output Data Information:

	+ve Sample	-ve Sample
No of Records Returned	0,1 or many	0
Data Fields		
BankBranchPK	7	N/A
BankBranchName	BOV Attard	N/A
BankBranchBankName	Bank of Valletta Ltd	N/A
BankBranchBIC	NULL	N/A
BankBranchSortCode	22127	N/A
BankBranchCountry	MALTA	N/A
BankBranchStatus	A	N/A
RecordsReturned	0,1 or many	0
Retval	0	-1/-2/-3/-4/-9

04.1.3 Citizenship

04.1.3.1 Ws_CDR_Citizenship_ByPK Web Method Information

Description:

The details of a country are retrieved when citizenship primary key is submitted to web method.

Input Parameters Description:

No.	Parameter Name	Type	Optional	Description
1	PK	int	No	The primary key of the citizenship

Output Parameters Description:

No.	Parameter Name	Type	Length	Description
1	CountryPK	int	4	The primary key of country table
2	CountryCitizenship	string	20	Country citizenship e.g. MALTESE
3	CountryName	string	36	Country name e.g. MALTA
4	CountryStatus	string	1	Indicates status of role e.g. Active
4	retval	int		Possible CDR adapter return Values:

				<table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Successful Execution</td> </tr> <tr> <td>-1</td> <td>Data Source Error</td> </tr> <tr> <td>-2</td> <td>Malicious Input Error</td> </tr> <tr> <td>-3</td> <td>Input Range Error</td> </tr> <tr> <td>-4</td> <td>Active Directory Authentication Error</td> </tr> <tr> <td>-9</td> <td>Generic Error</td> </tr> </tbody> </table>	Value	Description	0	Successful Execution	-1	Data Source Error	-2	Malicious Input Error	-3	Input Range Error	-4	Active Directory Authentication Error	-9	Generic Error
Value	Description																	
0	Successful Execution																	
-1	Data Source Error																	
-2	Malicious Input Error																	
-3	Input Range Error																	
-4	Active Directory Authentication Error																	
-9	Generic Error																	

Output Data Information:

	+ve Sample	-ve Sample
No of Records Returned	1	0
Data Fields		
CountryPK	100	N/A
CountryCitizenship	INDIAN	
CountryName	INDIA	
CountryStatus	A	
Retval	0	-1/-2/-3/-4/-9

04.1.3.2 Ws_CDR_Citizenship_List Web Method Information

Description:

A list of countries is retrieved when web method is invoked.

Input Parameters Description:

None

Output Parameters Description:

No.	Parameter Name	Type	Length	Description														
1	CountryPK	int	4	The primary key of country table														
2	CountryCitizenship	string	20	Country citizenship e.g. MALTESE														
3	CountryName	string	36	Country name e.g. MALTA														
4	CountryStatus	string	1	Indicates status of role e.g. Active														
4	retval	int		Possible CDR adapter return Values: <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Successful Execution</td> </tr> <tr> <td>-1</td> <td>Data Source Error</td> </tr> <tr> <td>-2</td> <td>Malicious Input Error</td> </tr> <tr> <td>-3</td> <td>Input Range Error</td> </tr> <tr> <td>-4</td> <td>Active Directory Authentication Error</td> </tr> <tr> <td>-9</td> <td>Generic Error</td> </tr> </tbody> </table>	Value	Description	0	Successful Execution	-1	Data Source Error	-2	Malicious Input Error	-3	Input Range Error	-4	Active Directory Authentication Error	-9	Generic Error
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-1	Data Source Error																	
-2	Malicious Input Error																	
-3	Input Range Error																	
-4	Active Directory Authentication Error																	
-9	Generic Error																	

Output Data Information:

	+ve Sample	-ve Sample
No of Records Returned	More than one record	0
Data Fields		

CountryPK	2	N/A
CountryCitizenship	ITALIAN	
CountryName	ITALY	N/A
CountryStatus	A	
Retval	0	-1/-2/-3/-4/-9

04.1.4 Currency

04.1.4.1 Ws_CDR_Currency_ByAlphaCode Web Method Information

Description:

Returns the currency with the given Alpha code.

Input Parameters Description:

No.	Parameter Name	Type	Optional	Description
1	Alpha	string	No	The three-letter code of the currency

Output Parameters Description:

No.	Parameter Name	Type	Description						
1	CurrencyPK	int	The primary key of the currency table						
2	CurrencyName	string	The name of the currency according to ISO 4217						
3	CurrencyNumCode	string	A three-digit numeric code for the currency						
4	CurrencyAlphaCode	string	The three-letter code of the currency						
5	CurrencyStatus	string	The status of the currency, e.g. A if active, or H if obsolete						
6	retval	int	Possible CDR adapter return values:						
			<table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Successful Execution</td> </tr> <tr> <td>Otherwise</td> <td>Refer to Section Error! Reference source not found. Error! Reference source not found.</td> </tr> </tbody> </table>	Value	Description	0	Successful Execution	Otherwise	Refer to Section Error! Reference source not found. Error! Reference source not found.
Value	Description								
0	Successful Execution								
Otherwise	Refer to Section Error! Reference source not found. Error! Reference source not found.								

Output Data Information:

	+ve Sample	-ve Sample
No of Records Returned	>=1	0
Data Fields		
CurrencyPK	12	N/A
CurrencyName	Euro	N/A
CurrencyNumCode	000	N/A
CurrencyAlphaCode	EUR	N/A
CurrencyStatus	A	N/A
retval	0	Refer to Section Error! Reference source not found. Error! Reference source not found.

04.1.4.2 Ws_CDR_Currency_ByName Web Method Information

Description:

Returns a list of active currencies whose Name partially or fully matches the input parameter.

Input Parameters Description:

No.	Parameter Name	Type	Optional	Description
1	Name	string	No	The name of the currency according to ISO 4217

Output Parameters Description:

No.	Parameter Name	Type	Description
1	CurrencyPK	int	The primary key of the currency table
2	CurrencyName	string	The name of the currency according to ISO 4217
3	CurrencyNumCode	string	A three-digit numeric code for the currency
4	CurrencyAlphaCode	string	The three-letter code of the currency
5	CurrencyStatus	string	The status of the currency, e.g. A if active, or H if obsolete
6	retval	int	Possible CDR adapter return values:
		Value	Description
		0	Successful Execution
		Otherwise	Refer to Section Error! Reference source not found. Error! Reference source not found.

Output Data Information:

	+ve Sample	-ve Sample
No of Records Returned	>=1	0
Data Fields		
CurrencyPK	12	N/A
CurrencyName	Euro	N/A
CurrencyNumCode	000	N/A
CurrencyAlphaCode	EUR	N/A
CurrencyStatus	A	N/A
retval	0	Refer to Section Error! Reference source not found. Error! Reference source not found.

04.1.4.3 Ws_CDR_Currency_ByNumCode Web Method Information

Description:

Returns the currency whose NumCode matches the input parameter.

Input Parameters Description:

No.	Parameter Name	Type	Optional	Description
1	Numeric	int	No	A three-digit numeric code for the currency

Output Parameters Description:

No.	Parameter Name	Type	Description
1	CurrencyPK	int	The primary key of the currency table

2	CurrencyName	string	The name of the currency according to ISO 4217	
3	CurrencyNumCode	string	A three-digit numeric code for the currency	
4	CurrencyAlphaCode	string	The three-letter code of the currency	
5	CurrencyStatus	string	The status of the currency, e.g. A if active, or H if obsolete	
6	retval	int	Possible CDR adapter return values:	
			Value	Description
			0	Successful Execution
	Otherwise		Refer to Section Error! Reference source not found. Error! Reference source not found.	

Output Data Information:

	+ve Sample	-ve Sample
No of Records Returned	>=1	0
Data Fields		
CurrencyPK	12	N/A
CurrencyName	Euro	N/A
CurrencyNumCode	000	N/A
CurrencyAlphaCode	EUR	N/A
CurrencyStatus	A	N/A
retval	0	Refer to Section Error! Reference source not found. Error! Reference source not found.

04.1.4.4 Ws_CDR_Currency_ByPK Web Method Information

Description:

Returns the currency with the given primary key.

Input Parameters Description:

No.	Parameter Name	Type	Optional	Description
1	PK	int	No	The primary key of the currency

Output Parameters Description:

No.	Parameter Name	Type	Description	
1	CurrencyPK	int	The primary key of the currency table	
2	CurrencyName	string	The name of the currency according to ISO 4217	
3	CurrencyNumCode	string	A three-digit numeric code for the currency	
4	CurrencyAlphaCode	string	The three-letter code of the currency	
5	CurrencyStatus	string	The status of the currency, e.g. A if active, or H if obsolete	
6	retval	int	Possible CDR adapter return values:	
			Value	Description
			0	Successful Execution
	Otherwise		Refer to Section Error! Reference source not found. Error! Reference source not found.	

Output Data Information:

	+ve Sample	-ve Sample
No of Records Returned	1	0
Data Fields		
CurrencyPK	12	N/A
CurrencyName	Euro	N/A
CurrencyNumCode	000	N/A
CurrencyAlphaCode	EUR	N/A
CurrencyStatus	A	N/A
retval	0	Refer to Section Error! Reference source not found. Error! Reference source not found.

04.1.4.5 Ws_CDR_Currency_List Web Method Information

Description:

Returns a list of all currencies.

Input Parameters Description:

None.

Output Parameters Description:

No.	Parameter Name	Type	Description
1	CurrencyPK	int	The primary key of the currency table
2	CurrencyName	string	The primary key of the currency table
3	CurrencyNumCode	string	The name of the currency according to ISO 4217
4	CurrencyAlphaCode	string	A three-digit numeric code for the currency
5	CurrencyStatus	string	The three-letter code of the currency
6	retval	int	Possible CDR adapter return values:
			Value Description
			0 Successful Execution
			Otherwise Refer to Section Error! Reference source not found. Error! Reference source not found.

Output Data Information:

	+ve Sample	-ve Sample
No of Records Returned	>=1	0
Data Fields		
CurrencyPK	12	N/A
CurrencyName	Euro	N/A
CurrencyNumCode	000	N/A
CurrencyAlphaCode	EUR	N/A
CurrencyStatus	A	N/A
retval	0	-1/-2/-3/-4/-9

04.1.5 Gender

04.1.5.1 Ws_CDR_Gender_ByPK Web Method Information

Description:

The details of the gender are retrieved when citizenship primary key is submitted to web method.

Input Parameters Description:

No.	Parameter Name	Type	Optional	Description
1	PK	int	No	The primary key of the citizenship

Output Parameters Description:

No.	Parameter Name	Type	Length	Description														
1	GenderPK	int	4	The primary key of gender table														
2	GenderDescription	string	50	Gender description e.g. FEMALE														
3	GenderStatus	string	1	Indicates status of role e.g. Active														
3	retval	int		Possible CDR adapter return Values: <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Successful Execution</td> </tr> <tr> <td>-1</td> <td>Data Source Error</td> </tr> <tr> <td>-2</td> <td>Malicious Input Error</td> </tr> <tr> <td>-3</td> <td>Input Range Error</td> </tr> <tr> <td>-4</td> <td>Active Directory Authentication Error</td> </tr> <tr> <td>-9</td> <td>Generic Error</td> </tr> </tbody> </table>	Value	Description	0	Successful Execution	-1	Data Source Error	-2	Malicious Input Error	-3	Input Range Error	-4	Active Directory Authentication Error	-9	Generic Error
Value	Description																	
0	Successful Execution																	
-1	Data Source Error																	
-2	Malicious Input Error																	
-3	Input Range Error																	
-4	Active Directory Authentication Error																	
-9	Generic Error																	

Output Data Information:

	+ve Sample	-ve Sample
No of Records Returned	1	0
Data Fields		
GenderPK	74	N/A
GenderDescription	Male	
GenderStatus	A	
Retval	0	-1/-2/-3/-4/-9

04.1.5.2 Ws_CDR_Gender_List Web Method Information

Description:

The details of the gender are retrieved when web method is invoked.

Input Parameters Description:

None

Output Parameters Description:

No.	Parameter Name	Type	Length	Description
1	GenderPK	int	4	The primary key of gender table
2	GenderDescription	string	50	Gender description e.g. FEMALE

3	GenderStatus	string	1	Indicates status of role e.g. Active														
3	retval	int		Possible CDR adapter return Values: <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Successful Execution</td> </tr> <tr> <td>-1</td> <td>Data Source Error</td> </tr> <tr> <td>-2</td> <td>Malicious Input Error</td> </tr> <tr> <td>-3</td> <td>Input Range Error</td> </tr> <tr> <td>-4</td> <td>Active Directory Authentication Error</td> </tr> <tr> <td>-9</td> <td>Generic Error</td> </tr> </tbody> </table>	Value	Description	0	Successful Execution	-1	Data Source Error	-2	Malicious Input Error	-3	Input Range Error	-4	Active Directory Authentication Error	-9	Generic Error
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-2	Malicious Input Error																	
-3	Input Range Error																	
-4	Active Directory Authentication Error																	
-9	Generic Error																	

Output Data Information:

	+ve Sample	-ve Sample
No of Records Returned	3	0
Data Fields		
GenderPK	75	N/A
GenderDescription	Female	
GenderStatus	A	
Retval	0	-1/-2/-3/-4/-9

04.1.6 Language

04.1.6.1 Ws_CDR_Language_ByPK Web Method Information

Description:

The details of a language are retrieved when language primary key is submitted to web method.

Input Parameters Description:

No.	Parameter Name	Type	Optional	Description
1	PK	int	No	The primary key of the language

Output Parameters Description:

No.	Parameter Name	Type	Length	Description														
1	LanguagePK	int	4	The primary key of country table														
2	LanguageName	string	50	Language Name e.g. Maltese														
3	LanguageAlpha2	string	2	Language Alpha2 e.g. MT														
4	LanguageAlpha3	string	3	Language Alpha3 e.g. MLT														
5	LanguageStatus	char	1	Language Status e.g. A														
5	retval	int		Possible CDR adapter return Values: <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Successful Execution</td> </tr> <tr> <td>-1</td> <td>Data Source Error</td> </tr> <tr> <td>-2</td> <td>Malicious Input Error</td> </tr> <tr> <td>-3</td> <td>Input Range Error</td> </tr> <tr> <td>-4</td> <td>Active Directory Authentication Error</td> </tr> <tr> <td>-9</td> <td>Generic Error</td> </tr> </tbody> </table>	Value	Description	0	Successful Execution	-1	Data Source Error	-2	Malicious Input Error	-3	Input Range Error	-4	Active Directory Authentication Error	-9	Generic Error
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-1	Data Source Error																	
-2	Malicious Input Error																	
-3	Input Range Error																	
-4	Active Directory Authentication Error																	
-9	Generic Error																	

Output Data Information:

	+ve Sample	-ve Sample
No of Records Returned	1	0
Data Fields		
LanguagePK	5	N/A
LanguageName	German	
LanguageAlpha2		
LanguageAlpha3		
LanguageStatus	A	
Retval	0	-1/-2/-3/-4/-9

04.1.6.2 Ws_CDR_Language_List Web Method Information

Description:

A list of languages is retrieved when the web method is invoked.

Input Parameters Description:

None

Output Parameters Description:

No.	Parameter Name	Type	Length	Description														
1	LanguagePK	int	4	The primary key of country table														
2	LanguageName	string	50	Language Name e.g. Maltese														
3	LanguageAlpha2	string	2	Language Alpha2 e.g. MT														
4	LanguageAlpha3	string	3	Language Alpha3 e.g. MLT														
5	LanguageStatus	char	1	Language Status e.g. A														
5	retval	int		Possible CDR adapter return Values: <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Successful Execution</td> </tr> <tr> <td>-1</td> <td>Data Source Error</td> </tr> <tr> <td>-2</td> <td>Malicious Input Error</td> </tr> <tr> <td>-3</td> <td>Input Range Error</td> </tr> <tr> <td>-4</td> <td>Active Directory Authentication Error</td> </tr> <tr> <td>-9</td> <td>Generic Error</td> </tr> </tbody> </table>	Value	Description	0	Successful Execution	-1	Data Source Error	-2	Malicious Input Error	-3	Input Range Error	-4	Active Directory Authentication Error	-9	Generic Error
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-3	Input Range Error																	
-4	Active Directory Authentication Error																	
-9	Generic Error																	

Output Data Information:

	+ve Sample	-ve Sample
No of Records Returned	137	0
Data Fields		
LanguagePK	30	N/A
LanguageName	Danish	
LanguageAlpha2	da	
LanguageAlpha3	dan	

LanguageStatus	A	
Retval	0	-1/-2/-3/-4/-9

04.1.7 Person Title

04.1.7.1 Ws_CDR_PersonTitle_List Web Method Information

Description:

A list of person titles is retrieved when web method is invoked.

Input Parameters Description:

None

Output Parameters Description:

No.	Parameter Name	Type	Description	
1	PersonTitlePK	int	The primary key of persons title table	
2	PersonTitleDescription	string	The title description of a person	
3	PersonTitleStatus	string	The status of title	
4	RecordsReturned	int	The number of records returned	
5	Retval	int	Possible CDR adapter return Values:	
			Value	Description
			0	Successful Execution
			-1	Data Source Error
			-2	Malicious Input Error
			-3	Input Range Error
			-4	Active Directory Authentication Error
-9	Generic Error			

Output Data Information:

	+ve Sample	-ve Sample
No of Records Returned	1	0
Data Fields		
PersonTitlePK	61	N/A
PersonTitleDescription	Mr.	N/A
PersonTitleStatus	A	N/A
RecordsReturned	1	0
retval	0	-1/-2/-3/-4/-9

04.2 CDR Adapter Web Methods (Location Data)

04.2.1 Country

04.2.1.1 Ws_CDR_Country_By_PK Web Method Information

Description:

The details of a country are retrieved when locality primary key is submitted to web method.

Input Parameters Description:

No.	Parameter Name	Type	Optional	Description
1	PK	int	No	The primary key of the country

Output Parameters Description:

No.	Parameter Name	Type	Description														
1	CountryPK	int	The primary key of country table														
2	CountryName	string	Country name e.g. MALTA														
3	CountryAlpha2	string	ISO 3166-1 alpha-2 country code														
4	CountryAlpha3	string	ISO 3166-1 alpha-3 country code														
5	CountryNumeric	int	ISO 3166 numeric Country code														
6	CountryStatus	string	Indicates status of role e.g. Active														
6	retval	int	Possible CDR adapter return Values:														
			<table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Successful Execution</td> </tr> <tr> <td>-1</td> <td>Data Source Error</td> </tr> <tr> <td>-2</td> <td>Malicious Input Error</td> </tr> <tr> <td>-3</td> <td>Input Range Error</td> </tr> <tr> <td>-4</td> <td>Active Directory Authentication Error</td> </tr> <tr> <td>-9</td> <td>Generic Error</td> </tr> </tbody> </table>	Value	Description	0	Successful Execution	-1	Data Source Error	-2	Malicious Input Error	-3	Input Range Error	-4	Active Directory Authentication Error	-9	Generic Error
Value	Description																
0	Successful Execution																
-1	Data Source Error																
-2	Malicious Input Error																
-3	Input Range Error																
-4	Active Directory Authentication Error																
-9	Generic Error																

Output Data Information:

	+ve Sample	-ve Sample
No of Records Returned	1	0
Data Fields		
CountryPK	245	N/A
CountryName	MALTA	N/A
CountryAlpha2	MT	
CountryAlpha3	MLT	
CountryNumeric	470	
CountryStatus	A	
Retval	0	-1/-2/-3/-4/-9

04.2.1.2 Ws_CDR_Country_By_Name Web Method Information

Description:

Returns information about the countries which fully match or partially match the text of the input parameter.

Input Parameters Description:

No.	Parameter Name	Type	Optional	Description
1	Name	string	No	Name of country

Output Parameters Description:

No.	Parameter Name	Type	Description														
1	CountryPK	int	The primary key of country table														
2	CountryName	string	Country name e.g. MALTA														
3	CountryAlpha2	string	ISO 3166-1 alpha-2 country code														
4	CountryAlpha3	string	ISO 3166-1 alpha-3 country code														
5	CountryNumeric	int	ISO 3166 numeric Country code														
6	CountryStatus	string	Indicates status of role e.g. Active														
6	retval	int	Possible CDR adapter return Values: <table border="1" data-bbox="758 750 1380 945"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Successful Execution</td> </tr> <tr> <td>-1</td> <td>Data Source Error</td> </tr> <tr> <td>-2</td> <td>Malicious Input Error</td> </tr> <tr> <td>-3</td> <td>Input Range Error</td> </tr> <tr> <td>-4</td> <td>Active Directory Authentication Error</td> </tr> <tr> <td>-9</td> <td>Generic Error</td> </tr> </tbody> </table>	Value	Description	0	Successful Execution	-1	Data Source Error	-2	Malicious Input Error	-3	Input Range Error	-4	Active Directory Authentication Error	-9	Generic Error
Value	Description																
0	Successful Execution																
-1	Data Source Error																
-2	Malicious Input Error																
-3	Input Range Error																
-4	Active Directory Authentication Error																
-9	Generic Error																

Output Data Information:

	+ve Sample	-ve Sample
No of Records Returned	More than one record	0
Data Fields		
CountryPK	245	N/A
CountryName	MALTA	N/A
CountryAlpha2	MT	
CountryAlpha3	MLT	
CountryNumeric	470	
CountryStatus	A	
Retval	0	-1/-2/-3/-4/-9

04.2.1.3 Ws_CDR_Country_List Web Method Information

Description:

A list of countries is retrieved when web method is invoked.

Input Parameters Description:

None

Output Parameters Description:

No.	Parameter Name	Type	Description
1	CountryPK	int	The primary key of country table
2	CountryName	string	Country name e.g. MALTA
3	CountryAlpha2	string	ISO 3166-1 alpha-2 country code
4	CountryAlpha3	string	ISO 3166-1 alpha-3 country code

5	CountryNumeric	int	ISO 3166 numeric Country code	
6	CountryStatus	string	Indicates status of role e.g. Active	
6	retval	int	Possible CDR adapter return Values:	
			Value	Description
			0	Successful Execution
			-1	Data Source Error
			-2	Malicious Input Error
			-3	Input Range Error
			-4	Active Directory Authentication Error
-9	Generic Error			

Output Data Information:

	+ve Sample	-ve Sample
No of Records Returned	More than one record	0
Data Fields		
CountryPK	245	N/A
CountryName	MALTA	N/A
CountryAlpha2	MT	
CountryAlpha3	MLT	
CountryNumeric	470	
CountryStatus	A	
Retval	0	-1/-2/-3/-4/-9

04.2.3 Locality

04.2.3.1 Ws_CDR_Locality_ByPK Web Method Information

Description:

The details of a locality are retrieved when locality primary key is submitted to web method.

Input Parameters Description:

No.	Parameter Name	Type	Optional	Description
1	PK	int	No	The primary key of the locality

Output Parameters Description:

No.	Parameter Name	Type	Description	
1	LocalityPK	int	The primary key of locality table	
2	LocalityName	string	Locality name e.g. ZEBBUG	
3	LocalityRegion	string	The region where locality resides.	
4	LocalityLocalCouncil	string	The locality's local council	
5	LocalityStatus	string	Indicates status of role e.g. Active	
6	retval	int	Possible CDR adapter return Values:	
			Value	Description
			0	Successful Execution
			-1	Data Source Error
			-2	Malicious Input Error
			-3	Input Range Error
			-4	Active Directory Authentication Error

			-9	Generic Error
--	--	--	----	---------------

Output Data Information:

	+ve Sample	-ve Sample
No of Records Returned	1	0
Data Fields		
LocalityPK	407	N/A
LocalityName	ALBERTOWN (MARSА)	N/A
LocalityRegion	MALTA	
LocalityLocalCouncil	Il-Marsa	
LocalityStatus	A	
Retval	0	-1/-2/-3/-4/-9

04.2.3.2 Ws_CDR_Locality_ByName Web Method Information

Description:

The details of localities are retrieved when the name of a locality is submitted to the web method. Localities which fully or partially match the text are returned.

Input Parameters Description:

No.	Parameter Name	Type	Optional	Description
1	Name	string	No	Name of the locality

Output Parameters Description:

No.	Parameter Name	Type	Description														
1	LocalityPK	int	The primary key of locality table														
2	LocalityName	string	Locality name e.g. ZEBBUG														
3	LocalityRegion	string	The region where locality resides.														
4	LocalityLocalCouncil	string	The locality's local council														
5	LocalityStatus	string	Indicates status of role e.g. Active														
6	retval	int	Possible CDR adapter return Values:														
			<table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Successful Execution</td> </tr> <tr> <td>-1</td> <td>Data Source Error</td> </tr> <tr> <td>-2</td> <td>Malicious Input Error</td> </tr> <tr> <td>-3</td> <td>Input Range Error</td> </tr> <tr> <td>-4</td> <td>Active Directory Authentication Error</td> </tr> <tr> <td>-9</td> <td>Generic Error</td> </tr> </tbody> </table>	Value	Description	0	Successful Execution	-1	Data Source Error	-2	Malicious Input Error	-3	Input Range Error	-4	Active Directory Authentication Error	-9	Generic Error
Value	Description																
0	Successful Execution																
-1	Data Source Error																
-2	Malicious Input Error																
-3	Input Range Error																
-4	Active Directory Authentication Error																
-9	Generic Error																

Output Data Information:

	+ve Sample	-ve Sample
No of Records Returned	More than one record	0
Data Fields		
LocalityPK	261	N/A
LocalityName	BIRZEBBUGA	N/A
LocalityRegion	MALTA	
LocalityLocalCouncil	Bizebbuga	

LocalityStatus	A	
Retval	0	-1/-2/-3/-4/-9

04.2.3.3 Ws_CDR_Locality_ByName_Exact Web Method Information

Description:

The details of localities are retrieved when the name of a locality is submitted to the web method. The service searches for localities which match exactly with the supplied locality name.

Input Parameters Description:

No.	Parameter Name	Type	Optional	Description
1	Name	string	No	Name of the locality

Output Parameters Description:

No.	Parameter Name	Type	Description														
1	LocalityPK	int	The primary key of locality table														
2	LocalityName	string	Locality name e.g. ZEBBUG														
3	LocalityRegion	string	The region where locality resides.														
4	LocalityLocalCouncil	string	The locality's local council														
5	LocalityStatus	string	Indicates status of role e.g. Active														
6	retval	int	Possible CDR adapter return Values:														
			<table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Successful Execution</td> </tr> <tr> <td>-1</td> <td>Data Source Error</td> </tr> <tr> <td>-2</td> <td>Malicious Input Error</td> </tr> <tr> <td>-3</td> <td>Input Range Error</td> </tr> <tr> <td>-4</td> <td>Active Directory Authentication Error</td> </tr> <tr> <td>-9</td> <td>Generic Error</td> </tr> </tbody> </table>	Value	Description	0	Successful Execution	-1	Data Source Error	-2	Malicious Input Error	-3	Input Range Error	-4	Active Directory Authentication Error	-9	Generic Error
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0	Successful Execution																
-1	Data Source Error																
-2	Malicious Input Error																
-3	Input Range Error																
-4	Active Directory Authentication Error																
-9	Generic Error																

Output Data Information:

	+ve Sample	-ve Sample
No of Records Returned	1	0
Data Fields		
LocalityPK	261	N/A
LocalityName	BIRZEBBUGA	N/A
LocalityRegion	MALTA	
LocalityLocalCouncil	Bizebbuga	
LocalityStatus	A	
Retval	0	-1/-2/-3/-4/-9

04.2.3.4 Ws_CDR_Locality_ByLocalCouncilName Web Method Information

Description:

The details of a locality are retrieved when local council name is submitted to web method.

Input Parameters Description:

No.	Parameter Name	Type	Optional	Description
1	Name	string	No	The name of the locality local council

Output Parameters Description:

No.	Parameter Name	Type	Length	Description														
1	LocalityPK	int	4	The primary key of locality														
2	LocalityName	string	50	Locality Name e.g. ZEBBUG														
3	LocalityRegion	string	50	Locality Region e.g. MALTA														
4	LocalityLocalCouncil	string	50	Locality Local Council e.g. Paola														
5	LocalityStatus	string	1	Indicates status of role e.g. A														
5	retval	int		Possible CDR adapter return Values: <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Successful Execution</td> </tr> <tr> <td>-1</td> <td>Data Source Error</td> </tr> <tr> <td>-2</td> <td>Malicious Input Error</td> </tr> <tr> <td>-3</td> <td>Input Range Error</td> </tr> <tr> <td>-4</td> <td>Active Directory Authentication Error</td> </tr> <tr> <td>-9</td> <td>Generic Error</td> </tr> </tbody> </table>	Value	Description	0	Successful Execution	-1	Data Source Error	-2	Malicious Input Error	-3	Input Range Error	-4	Active Directory Authentication Error	-9	Generic Error
Value	Description																	
0	Successful Execution																	
-1	Data Source Error																	
-2	Malicious Input Error																	
-3	Input Range Error																	
-4	Active Directory Authentication Error																	
-9	Generic Error																	

Output Data Information:

	+ve Sample	-ve Sample
No of Records Returned	2	0
Data Fields		
LocalityPK	299	N/A
LocalityName	PAOLA	
LocalityRegion	MALTA	
LocalityLocalCouncil	Paola	
LocalityStatus	A	
Retval	0	-1/-2/-3/-4/-9

04.2.3.5 Ws_CDR_Locality_List Web Method Information

Description:

A list of locality is retrieved when web method is invoked.

Input Parameters Description:

None

Output Parameters Description:

No.	Parameter Name	Type	Description						
1	LocalityPK	int	The primary key of locality table						
2	LocalityName	string	Locality name e.g. ZEBBUG						
3	LocalityRegion	string	The region where locality resides.						
4	LocalityLocalCouncil	string	The locality's local council						
5	LocalityStatus	string	Indicates status of role e.g. Active						
6	retval	int	Possible CDR adapter return Values: <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Successful Execution</td> </tr> <tr> <td>-1</td> <td>Data Source Error</td> </tr> </tbody> </table>	Value	Description	0	Successful Execution	-1	Data Source Error
Value	Description								
0	Successful Execution								
-1	Data Source Error								

			-2	Malicious Input Error
			-3	Input Range Error
			-4	Active Directory Authentication Error
			-9	Generic Error

Output Data Information:

	+ve Sample	-ve Sample
No of Records Returned	More than one record	0
Data Fields		
LocalityPK	261	N/A
LocalityName	BIRZEBBUGA	N/A
LocalityRegion	MALTA	
LocalityLocalCouncil	Bizebbuga	
LocalityStatus	A	
Retval	0	-1/-2/-3/-4/-9

04.2.3.6 Ws_CDR_Locality_Gozo Web Method Information

Description:

The details of Gozo localities are retrieved when the web method is invoked.

Input Parameters Description:

None

Output Parameters Description:

No.	Parameter Name	Type	Length	Description														
1	LocalityPK	int	4	The primary key of locality														
2	LocalityName	string	50	Locality Name e.g. KERCEM														
3	LocalityRegion	string	50	Locality Region e.g. GHAWDEX														
4	LocalityLocalCouncil	string	50	Locality Local Council e.g. Ta' Kercem														
5	LocalityStatus	char	1	Locality Status e.g. A														
5	retval	int		Possible CDR adapter return Values: <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Successful Execution</td> </tr> <tr> <td>-1</td> <td>Data Source Error</td> </tr> <tr> <td>-2</td> <td>Malicious Input Error</td> </tr> <tr> <td>-3</td> <td>Input Range Error</td> </tr> <tr> <td>-4</td> <td>Active Directory Authentication Error</td> </tr> <tr> <td>-9</td> <td>Generic Error</td> </tr> </tbody> </table>	Value	Description	0	Successful Execution	-1	Data Source Error	-2	Malicious Input Error	-3	Input Range Error	-4	Active Directory Authentication Error	-9	Generic Error
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-1	Data Source Error																	
-2	Malicious Input Error																	
-3	Input Range Error																	
-4	Active Directory Authentication Error																	
-9	Generic Error																	

Output Data Information:

	+ve Sample	-ve Sample
No of Records Returned	30	0
Data Fields		
LocalityPK	433	N/A
LocalityName	CITTADELLA (GRAN CASTELLO)	

LocalityRegion	GHAWDEX	
LocalityLocalCouncil	Ir-Rabat (Citta` Victoria)	
LocalityStatus	A	
Retval	0	-1/-2/-3/-4/-9

04.2.3.7 Ws_CDR_Locality_Malta Web Method Information

Description:

The details of Maltese localities are retrieved when the web method is invoked.

Input Parameters Description:

None

Output Parameters Description:

No.	Parameter Name	Type	Length	Description														
1	LocalityPK	int	4	The primary key of locality														
2	LocalityName	string	50	Locality Name e.g. ATTARD														
3	LocalityRegion	string	50	Locality Region e.g. MALTA														
4	LocalityLocalCouncil	string	50	Locality Local Council e.g. H' Attard														
5	LocalityStatus	char	1	Locality Status e.g. A														
5	retval	int		Possible CDR adapter return Values: <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Successful Execution</td> </tr> <tr> <td>-1</td> <td>Data Source Error</td> </tr> <tr> <td>-2</td> <td>Malicious Input Error</td> </tr> <tr> <td>-3</td> <td>Input Range Error</td> </tr> <tr> <td>-4</td> <td>Active Directory Authentication Error</td> </tr> <tr> <td>-9</td> <td>Generic Error</td> </tr> </tbody> </table>	Value	Description	0	Successful Execution	-1	Data Source Error	-2	Malicious Input Error	-3	Input Range Error	-4	Active Directory Authentication Error	-9	Generic Error
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0	Successful Execution																	
-1	Data Source Error																	
-2	Malicious Input Error																	
-3	Input Range Error																	
-4	Active Directory Authentication Error																	
-9	Generic Error																	

Output Data Information:

	+ve Sample	-ve Sample
No of Records Returned	183	0
Data Fields		
LocalityPK	407	N/A
LocalityName	ALBERTOWN (MARSA)	
LocalityRegion	MALTA	
LocalityLocalCouncil	Il- Marsa	
LocalityStatus	A	
Retval	0	-1/-2/-3/-4/-9

04.2.4 Street

04.2.4.1 Ws_CDR_Street_ByPK Web Method Information

Description:

The details of a street are retrieved when street primary key is submitted to the web method.

Input Parameters Description:

No.	Parameter Name	Type	Optional	Description
1	PK	int	No	The primary key of the street

Output Parameters Description:

No.	Parameter Name	Type	Description														
1	StreetPK	int	The primary key of the street table														
2	StreetCdB	int															
3	StreetLocalityName	string	Locality name e.g. ZEBBUG														
4	StreetRegionName	string	The region where the street resides.														
5	StreetName	string	The name of the street														
6	StreetPrefix	string	The prefix part of the street name														
7	StreetFullname	String	The name of the street including the prefix														
5	StreetStatus	string	Indicates status of role e.g. Active														
6	retval	int	Possible CDR adapter return Values: <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Successful Execution</td> </tr> <tr> <td>-1</td> <td>Data Source Error</td> </tr> <tr> <td>-2</td> <td>Malicious Input Error</td> </tr> <tr> <td>-3</td> <td>Input Range Error</td> </tr> <tr> <td>-4</td> <td>Active Directory Authentication Error</td> </tr> <tr> <td>-9</td> <td>Generic Error</td> </tr> </tbody> </table>	Value	Description	0	Successful Execution	-1	Data Source Error	-2	Malicious Input Error	-3	Input Range Error	-4	Active Directory Authentication Error	-9	Generic Error
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0	Successful Execution																
-1	Data Source Error																
-2	Malicious Input Error																
-3	Input Range Error																
-4	Active Directory Authentication Error																
-9	Generic Error																

Output Data Information:

	+ve Sample	-ve Sample
No of Records Returned	1	0
Data Fields		
StreetPK	100	N/A
StreetCdB	99	
StreetLocalityName	VALLETTA	N/A
StreetRegionName	MALTA	
StreetName	San Pawl	
StreetPrefix	Triq	
StreetFullname	Triq San Pawl	
StreetStatus	A	
Retval	0	-1/-2/-3/-4/-9

04.2.4.2 Ws_CDR_Street_ByName Web Method Information

Description:

The details of streets are retrieved when the name of a street is submitted to the web method.

Streets which fully or partially match the input parameters are returned.

Input Parameters Description:

No.	Parameter Name	Type	Optional	Description
1	Locality	String	Yes	Locality name
2	Street	String	Yes	Street name

Output Parameters Description:

No.	Parameter Name	Type	Description														
1	StreetPK	int	The primary key of the street table														
2	StreetCdB	int															
3	StreetLocalityName	string	Locality name e.g. ZEBBUG														
4	StreetRegionName	string	The region where the street resides.														
5	StreetName	string	The name of the street														
6	StreetPrefix	string	The prefix part of the street name														
7	StreetFullname	String	The name of the street including the prefix														
5	StreetStatus	string	Indicates status of role e.g. Active														
6	retval	int	Possible CDR adapter return Values: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">Value</th> <th style="width: 50%;">Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Successful Execution</td> </tr> <tr> <td>-1</td> <td>Data Source Error</td> </tr> <tr> <td>-2</td> <td>Malicious Input Error</td> </tr> <tr> <td>-3</td> <td>Input Range Error</td> </tr> <tr> <td>-4</td> <td>Active Directory Authentication Error</td> </tr> <tr> <td>-9</td> <td>Generic Error</td> </tr> </tbody> </table>	Value	Description	0	Successful Execution	-1	Data Source Error	-2	Malicious Input Error	-3	Input Range Error	-4	Active Directory Authentication Error	-9	Generic Error
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0	Successful Execution																
-1	Data Source Error																
-2	Malicious Input Error																
-3	Input Range Error																
-4	Active Directory Authentication Error																
-9	Generic Error																

Output Data Information:

	+ve Sample	-ve Sample
No of Records Returned	More than one record	0
Data Fields		
StreetPK	100	N/A
StreetCdB	99	
StreetLocalityName	VALLETTA	N/A
StreetRegionName	MALTA	
StreetName	San Pawl	
StreetPrefix	Triq	
StreetFullname	Triq San Pawl	
StreetStatus	A	
Retval	0	-1/-2/-3/-4/-9

04.2.4.3 Ws_CDR_Street_ByName_Exact Web Method Information

Description:

The details of streets are retrieved when the name of a street is submitted to the web method. The service searches for localities which match exactly with the supplied locality name.

Input Parameters Description:

No.	Parameter Name	Type	Optional	Description
1	Locality	String	Yes	Locality name
2	Street	String	Yes	Street name

Output Parameters Description:

No.	Parameter Name	Type	Description														
1	StreetPK	int	The primary key of the street table														
2	StreetCdB	int															
3	StreetLocalityName	string	Locality name e.g. ZEBBUG														
4	StreetRegionName	string	The region where the street resides.														
5	StreetName	string	The name of the street														
6	StreetPrefix	string	The prefix part of the street name														
7	StreetFullname	String	The name of the street including the prefix														
5	StreetStatus	string	Indicates status of role e.g. Active														
6	retval	int	Possible CDR adapter return Values:														
			<table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Successful Execution</td> </tr> <tr> <td>-1</td> <td>Data Source Error</td> </tr> <tr> <td>-2</td> <td>Malicious Input Error</td> </tr> <tr> <td>-3</td> <td>Input Range Error</td> </tr> <tr> <td>-4</td> <td>Active Directory Authentication Error</td> </tr> <tr> <td>-9</td> <td>Generic Error</td> </tr> </tbody> </table>	Value	Description	0	Successful Execution	-1	Data Source Error	-2	Malicious Input Error	-3	Input Range Error	-4	Active Directory Authentication Error	-9	Generic Error
Value	Description																
0	Successful Execution																
-1	Data Source Error																
-2	Malicious Input Error																
-3	Input Range Error																
-4	Active Directory Authentication Error																
-9	Generic Error																

Output Data Information:

	+ve Sample	-ve Sample
No of Records Returned	More than one record	0
Data Fields		
StreetPK	100	N/A
StreetCdB	99	
StreetLocalityName	VALLETTA	N/A
StreetRegionName	MALTA	
StreetName	San Pawl	
StreetPrefix	Triq	
StreetFullname	Triq San Pawl	
StreetStatus	A	
Retval	0	-1/-2/-3/-4/-9

04.2.4.4 Ws_CDR_Street_List Web Method Information

Description:

A list of streets is retrieved when web method is invoked.

Input Parameters Description:

None

Output Parameters Description:

No.	Parameter Name	Type	Description														
1	StreetPK	int	The primary key of the street table														
2	StreetCdB	int															
3	StreetLocalityName	string	Locality name e.g. ZEBBUG														
4	StreetRegionName	string	The region where the street resides.														
5	StreetName	string	The name of the street														
6	StreetPrefix	string	The prefix part of the street name														
7	StreetFullname	String	The name of the street including the prefix														
5	StreetStatus	string	Indicates status of role e.g. Active														
6	retval	int	Possible CDR adapter return Values:														
			<table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Successful Execution</td> </tr> <tr> <td>-1</td> <td>Data Source Error</td> </tr> <tr> <td>-2</td> <td>Malicious Input Error</td> </tr> <tr> <td>-3</td> <td>Input Range Error</td> </tr> <tr> <td>-4</td> <td>Active Directory Authentication Error</td> </tr> <tr> <td>-9</td> <td>Generic Error</td> </tr> </tbody> </table>	Value	Description	0	Successful Execution	-1	Data Source Error	-2	Malicious Input Error	-3	Input Range Error	-4	Active Directory Authentication Error	-9	Generic Error
Value	Description																
0	Successful Execution																
-1	Data Source Error																
-2	Malicious Input Error																
-3	Input Range Error																
-4	Active Directory Authentication Error																
-9	Generic Error																

Output Data Information:

	+ve Sample	-ve Sample
No of Records Returned	More than one record	0
Data Fields		
StreetPK	100	N/A
StreetCdB	99	
StreetLocalityName	VALLETTA	N/A
StreetRegionName	MALTA	
StreetName	San Pawl	
StreetPrefix	Triq	
StreetFullname	Triq San Pawl	
StreetStatus	A	
Retval	0	-1/-2/-3/-4/-9

04.2.5 Address

04.2.5.1 Ws_CDR_Address_ByDetails Web Method Information

Description:

A list of addresses is retrieved after the following parameters are submitted to the web method: locality, street, property name and door number.

Input Parameters Description:

No.	Parameter Name	Type	Optional	Description
1	Locality	string	Yes	The locality name of an address
2	Street	string	Yes	The street name of an address
3	PropertyName	string	Yes	The property name of an address
4	DoorNumber	string	Yes	The door number of an address

Input Data Information:

Data Fields	Sample
Locality	ATTARD
Street	TRIQ IS-SUR
PropertyName	ZM BLDGS
DoorNumber	99

Output Parameters Description:

No.	Parameter Name	Type	Description														
1	AddressPK	int	The primary key of an address														
2	AddressCdB	int	The CdB no of an address														
3	AddressLocalityName	string	The locality name of an address														
4	AddressRegionName	string	The region name of an address														
5	AddressStreetName	string	The street name of an address														
6	AddressPropertyName	string	The property name of an address														
7	AddressDoorNumber	string	The door number of an address														
8	AddressSubDivision	string	The sub division of an address														
9	AddressPostCode	string	The post code of an address														
10	AddressStatus	string	The status of an address (whether Active or History)														
11	RecordsReturned	int	The number of records returned														
12	Retval	int	Possible CDR adapter return Values: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;">Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Successful Execution</td> </tr> <tr> <td>-1</td> <td>Data Source Error</td> </tr> <tr> <td>-2</td> <td>Malicious Input Error</td> </tr> <tr> <td>-3</td> <td>Input Range Error</td> </tr> <tr> <td>-4</td> <td>Active Directory Authentication Error</td> </tr> <tr> <td>-9</td> <td>Generic Error</td> </tr> </tbody> </table>	Value	Description	0	Successful Execution	-1	Data Source Error	-2	Malicious Input Error	-3	Input Range Error	-4	Active Directory Authentication Error	-9	Generic Error
Value	Description																
0	Successful Execution																
-1	Data Source Error																
-2	Malicious Input Error																
-3	Input Range Error																
-4	Active Directory Authentication Error																
-9	Generic Error																

Output Data Information:

	+ve Sample	-ve Sample
No of Records Returned	0,1 or many	0
Data Fields		
AddressPk	111111	N/A
AddressCdb	307965	N/A
AddressLocalityName	ATTARD	N/A
AddressRegionName	MALTA	N/A
AddressStreetName	TRIQ IS-SUR	N/A
AddressPropertyName	ZM BLDGS	N/A
AddressDoorNumber	99	N/A
AddressSubDivision	FL 1	N/A
AddressPostCode	BZN 02	N/A
AddressStatus	A	N/A
RecordsReturned	0,1 or many	0
Retval	0	-1/-2/-3/-4/-9

04.2.5.2 Ws_CDR_Address_ByStreetFK Web Method Information

Description:

A list of addresses is retrieved when a street foreign key is submitted to web method.

Input Parameters Description:

No.	Parameter Name	Type	Optional	Description
1	StreetFK	int	No	Foreign key that points to the primary key of streets table

Input Data Information

Data Fields	Sample
StreetFK	5181

Output Parameters Description:

No.	Parameter Name	Type	Description														
1	AddressPK	int	The primary key of an address														
2	AddressCdB	int	The CdB no of an address														
3	AddressLocalityName	string	The locality name of an address														
4	AddressRegionName	string	The region name of an address														
5	AddressStreetName	string	The street name of an address														
6	AddressPropertyName	string	The property name of an address														
7	AddressDoorNumber	string	The door number of an address														
8	AddressSubDivision	string	The sub division of an address														
9	AddressPostCode	string	The post code of an address														
10	AddressStatus	string	The status of an address (whether Active or History)														
11	RecordsReturned	int	The number of records returned														
12	Retval	int	Possible CDR adapter return Values: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Successful Execution</td> </tr> <tr> <td>-1</td> <td>Data Source Error</td> </tr> <tr> <td>-2</td> <td>Malicious Input Error</td> </tr> <tr> <td>-3</td> <td>Input Range Error</td> </tr> <tr> <td>-4</td> <td>Active Directory Authentication Error</td> </tr> <tr> <td>-9</td> <td>Generic Error</td> </tr> </tbody> </table>	Value	Description	0	Successful Execution	-1	Data Source Error	-2	Malicious Input Error	-3	Input Range Error	-4	Active Directory Authentication Error	-9	Generic Error
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0	Successful Execution																
-1	Data Source Error																
-2	Malicious Input Error																
-3	Input Range Error																
-4	Active Directory Authentication Error																
-9	Generic Error																

Output Data Information:

	+ve Sample	-ve Sample
No of Records Returned	0,1 or many	0
Data Fields		
AddressPK	111111	N/A
AddressCdB	307965	N/A
AddressLocalityName	ATTARD	N/A
AddressRegionName	MALTA	N/A
AddressStreetName	TRIQ IS-SUR	N/A
AddressPropertyName	ZM BLDGS	N/A
AddressDoorNumber	99	N/A
AddressSubDivision	FL 1	N/A
AddressPostCode	BZN 02	N/A
AddressStatus	A	N/A
RecordsReturned	0,1 or many	0
Retval	0	-1/-2/-3/-4/-9

04.2.5.3 Ws_CDR_Address_List Web Method Information

Description:

The details of an address are retrieved when the web method is invoked.

Input Parameters Description:

None

Output Parameters Description:

No.	Parameter Name	Type	Length	Description														
1	AddressPK	int	4	The primary key of gender table														
2	AddressCdB	int	4	Address CdB e.g. 262														
3	AddressLocalityName	string	30	Locality Name e.g. FGURA														
4	AddressRegionName	string	30	Address Region e.g. MALTA														
5	AddressStreetName	String	80	Street Name e.g. Triq Santa Marija														
6	AddressPropertyName	string	25	Property Name e.g. Duncan Snack Bar														
7	AddressDoorNumber	string	8	Door Number e.g. 62B														
8	AddressSubDivision	string	50	Address Sub Division e.g. FL 7														
9	AddressPostCode	string	6	Post Code e.g. VLT 13														
10	AddressStatus	char	1	Address Status e.g. A														
10	retval	int		Possible CDR adapter return Values: <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Successful Execution</td> </tr> <tr> <td>-1</td> <td>Data Source Error</td> </tr> <tr> <td>-2</td> <td>Malicious Input Error</td> </tr> <tr> <td>-3</td> <td>Input Range Error</td> </tr> <tr> <td>-4</td> <td>Active Directory Authentication Error</td> </tr> <tr> <td>-9</td> <td>Generic Error</td> </tr> </tbody> </table>	Value	Description	0	Successful Execution	-1	Data Source Error	-2	Malicious Input Error	-3	Input Range Error	-4	Active Directory Authentication Error	-9	Generic Error
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-3	Input Range Error																	
-4	Active Directory Authentication Error																	
-9	Generic Error																	

Output Data Information:

	+ve Sample	-ve Sample
No of Records Returned	380895	0
Data Fields		
AddressPK	2	N/A
AddressCdB	262	
AddressLocalityName	MDINA	
AddressRegionName	MALTA	
AddressStreetName	MISRAH SAN PUBLJU	
AddressPropertyName	MDINA DUNGEONS	
AddressDoorNumber		
AddressSubDivision		
AddressPostCode	RBT 12	
AddressStatus	A	
Retval	0	-1/-2/-3/-4/-9

04.3 CDR Adapter Web Methods (IMA Data)

04.3.1 ID Card

04.3.1.1 Ws_CDR_IdCard_ByIDNO Web Method Information

Description:

Identity card details are retrieved when an identity number is submitted to web method.

Input Parameters Description:

No.	Parameter Name	Type	Optional	Description
1	IDNO	string	No	The identity number of a person.

Input Data Information:

Data Fields	Sample
IDNO	1111111M

Output Parameters Description:

No.	Parameter Name	Type	Description														
1	IDCardPK	int	The primary key of an identity card record														
2	IDCardNumber	int	The control/sequence number of an identity card														
3	IDCardReference	string	The reference of an identity card														
4	IDCardBirthRegno	string	ID card birth registration number														
5	IDCardSurname	string	Surname of identity card holder														
6	IDCardName	string	Name of identity card holder														
7	IDCardDateOfBirth	dateTime	Date of birth of identity card holder														
8	IDCardIssued	dateTime	Issue date of identity card														
9	IDCardExpiry	dateTime	Expiry date of identity card														
10	IDCardBirthplace	string	Birth place of identity card holder														
11	IDCardNationality	string	Nationality of identity card holder														
12	IDCardGender	string	Gender of identity card holder														
13	IDCardAddress1	string	1 st Address field stores door number of identity card holder														
14	IDCardAddress2	string	2 nd Address field stores property name of identity card holder														
15	IDCardAddress3	string	3 rd Address field stores sub division of identity card holder														
16	IDCardAddress4	string	4 th Address field stores street name identity card holder														
17	IDCardAddress5	string	5 th Address field stores locality and region identity card holder														
18	IDCardStatus	string	Indicates status of identity card														
19	RecordsReturned	int	The number of records returned														
20	Retval	int	Possible CDR adapter return Values: <table border="1" data-bbox="783 1733 1390 1930"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Successful Execution</td> </tr> <tr> <td>-1</td> <td>Data Source Error</td> </tr> <tr> <td>-2</td> <td>Malicious Input Error</td> </tr> <tr> <td>-3</td> <td>Input Range Error</td> </tr> <tr> <td>-4</td> <td>Active Directory Authentication Error</td> </tr> <tr> <td>-9</td> <td>Generic Error</td> </tr> </tbody> </table>	Value	Description	0	Successful Execution	-1	Data Source Error	-2	Malicious Input Error	-3	Input Range Error	-4	Active Directory Authentication Error	-9	Generic Error
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0	Successful Execution																
-1	Data Source Error																
-2	Malicious Input Error																
-3	Input Range Error																
-4	Active Directory Authentication Error																
-9	Generic Error																

Output Data Information:

	+ve Sample	-ve Sample
No of Records Returned	1	0
Data Fields		
IDCardPK	111111	N/A
IDCardNumber	1306024	N/A
IDCardReference	-	N/A
IDCardBirthRegno	1111111M	N/A
IDCardSurname	SMITH	N/A
IDCardName	JOHN	N/A
IDCardDateOfBirth	1970-08-30 00:00:00.000	N/A
IDCardIssued	1989-02-15 00:00:00.000	N/A
IDCardExpiry	1995-03-31 00:00:00.000	N/A
IDCardBirthplace	PIETA`	N/A
IDCardNationality	-	N/A
IDCardGender	MALE	N/A
IDCardAddress1	99	N/A
IDCardAddress2	ZM BLDGS	N/A
IDCardAddress3	FL1	N/A
IDCardAddress4	TRIQ IS-SUR	N/A
IDCardAddress5	ATTARD - MALTA	N/A
IDCardStatus	A	N/A
RecordsReturned	1	0
Retval	0	-1/-2/-3/-4/-9

04.3.1.2 Ws_CDR_IdCard_ByNumber Web Method Information

Description:

Identity card details are retrieved when a control/sequence number is submitted to web method.

Input Parameters Description:

No.	Parameter Name	Type	Optional	Description
1	ControlNumber	int	No	The sequence number of an identity card record

Input Data Information:

Data Fields	Sample
ControlNumber	1306024

Output Parameters Description:

No.	Parameter Name	Type	Description
1	IDCardPK	int	The primary key of an identity card record
2	IDCardNumber	int	The control/sequence number of an identity card
3	IDCardReference	string	The reference of an identity card
4	IDCardBirthRegno	string	ID card birth registration number
5	IDCardSurname	string	Surname of identity card holder
6	IDCardName	string	Name of identity card holder

7	IDCardDateOfBirth	dateTime	Date of birth of identity card holder														
8	IDCardIssued	dateTime	Issue date of identity card														
9	IDCardExpiry	dateTime	Expiry date of identity card														
10	IDCardBirthplace	string	Birth place of identity card holder														
11	IDCardNationality	string	Nationality of identity card holder														
12	IDCardGender	string	Gender of identity card holder														
13	IDCardAddress1	string	1 st Address field stores door number of identity card holder														
14	IDCardAddress2	string	2 nd Address field stores property name of identity card holder														
15	IDCardAddress3	string	3 rd Address field stores sub division of identity card holder														
16	IDCardAddress4	string	4 th Address field stores street name identity card holder														
17	IDCardAddress5	string	5 th Address field stores locality and region identity card holder														
18	IDCardStatus	string	Indicates status of identity card														
19	RecordsReturned	int	The number of records returned														
20	Retval	int	Possible CDR adapter return Values:														
			<table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Successful Execution</td> </tr> <tr> <td>-1</td> <td>Data Source Error</td> </tr> <tr> <td>-2</td> <td>Malicious Input Error</td> </tr> <tr> <td>-3</td> <td>Input Range Error</td> </tr> <tr> <td>-4</td> <td>Active Directory Authentication Error</td> </tr> <tr> <td>-9</td> <td>Generic Error</td> </tr> </tbody> </table>	Value	Description	0	Successful Execution	-1	Data Source Error	-2	Malicious Input Error	-3	Input Range Error	-4	Active Directory Authentication Error	-9	Generic Error
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0	Successful Execution																
-1	Data Source Error																
-2	Malicious Input Error																
-3	Input Range Error																
-4	Active Directory Authentication Error																
-9	Generic Error																

Output Data Information:

	+ve Sample	-ve Sample
No of Records Returned	1	0
Data Fields		
IDCardPK	111111	N/A
IDCardNumber	1306024	N/A
IDCardReference	-	N/A
IDCardBirthRegno	1111111M	N/A
IDCardSurname	SMITH	N/A
IDCardName	JOHN	N/A
IDCardDateOfBirth	1970-08-30 00:00:00.000	N/A
IDCardIssued	1989-02-15 00:00:00.000	N/A
IDCardExpiry	1995-03-31 00:00:00.000	N/A
IDCardBirthplace	PIETA`	N/A
IDCardNationality	-	N/A
IDCardGender	MALE	N/A
IDCardAddress1	99	N/A
IDCardAddress2	ZM BLDGS	N/A
IDCardAddress3	FL1	N/A
IDCardAddress4	TRIQ IS-SUR	N/A
IDCardAddress5	ATTARD - MALTA	N/A
IDCardStatus	A	N/A
RecordsReturned	1	0
Retval	0	-1/-2/-3/-4/-9

04.3.1.3 Ws_CDR_IdCard_ByPk Web Method Information

Description:

Identity card details are retrieved when primary key of an identity card record is submitted to web method.

Input Parameters Description:

No.	Parameter Name	Type	Optional	Description
1	PK	int	No	The primary key of an identity card record

Input Data Information:

Data Fields	Sample
PK	111111

Output Parameters Description:

No.	Parameter Name	Type	Description														
1	IDCardPK	int	The primary key of an identity card record														
2	IDCardNumber	int	The control/sequence number of an identity card														
3	IDCardReference	string	The reference of an identity card														
4	IDCardBirthRegno	string	ID card birth registration number														
5	IDCardSurname	string	Surname of identity card holder														
6	IDCardName	string	Name of identity card holder														
7	IDCardDateOfBirth	dateTime	Date of birth of identity card holder														
8	IDCardIssued	dateTime	Issue date of identity card														
9	IDCardExpiry	dateTime	Expiry date of identity card														
10	IDCardBirthplace	string	Birth place of identity card holder														
11	IDCardNationality	string	Nationality of identity card holder														
12	IDCardGender	string	Gender of identity card holder														
13	IDCardAddress1	string	1 st Address field stores door number of identity card holder														
14	IDCardAddress2	string	2 nd Address field stores property name of identity card holder														
15	IDCardAddress3	string	3 rd Address field stores sub division of identity card holder														
16	IDCardAddress4	string	4 th Address field stores street name identity card holder														
17	IDCardAddress5	string	5 th Address field stores locality and region identity card holder														
18	IDCardStatus	string	Indicates status of identity card														
19	RecordsReturned	int	The number of records returned														
20	Retval	int	Possible CDR adapter return Values: <table border="1" data-bbox="790 1635 1388 1832"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Successful Execution</td> </tr> <tr> <td>-1</td> <td>Data Source Error</td> </tr> <tr> <td>-2</td> <td>Malicious Input Error</td> </tr> <tr> <td>-3</td> <td>Input Range Error</td> </tr> <tr> <td>-4</td> <td>Active Directory Authentication Error</td> </tr> <tr> <td>-9</td> <td>Generic Error</td> </tr> </tbody> </table>	Value	Description	0	Successful Execution	-1	Data Source Error	-2	Malicious Input Error	-3	Input Range Error	-4	Active Directory Authentication Error	-9	Generic Error
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0	Successful Execution																
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-2	Malicious Input Error																
-3	Input Range Error																
-4	Active Directory Authentication Error																
-9	Generic Error																

Output Data Information:

	+ve Sample	-ve Sample
No of Records Returned	1	0

Data Fields		
IDCardPK	111111	N/A
IDCardNumber	1306024	N/A
IDCardReference	-	N/A
IDCardBirthRegno	1111111M	N/A
IDCardSurname	SMITH	N/A
IDCardName	JOHN	N/A
IDCardDateOfBirth	1970-08-30 00:00:00.000	N/A
IDCardIssued	1989-02-15 00:00:00.000	N/A
IDCardExpiry	1995-03-31 00:00:00.000	N/A
IDCardBirthplace	PIETA`	N/A
IDCardNationality	-	N/A
IDCardGender	MALE	N/A
IDCardAddress1	99	N/A
IDCardAddress2	ZM BLDGS	N/A
IDCardAddress3	FL1	N/A
IDCardAddress4	TRIQ IS-SUR	N/A
IDCardAddress5	ATTARD - MALTA	N/A
IDCardStatus	A	N/A
RecordsReturned	1	0
Retval	0	-1/-2/-3/-4/-9

04.3.2 Person Address

04.3.2.1 Ws_CDR_PersonAddress_ByIDNO Web Method Information

Description:

Details of a person and address where he/she resides are retrieved upon submission of identity card number to web method.

Input Parameters Description:

No.	Parameter Name	Type	Optional	Description
1	IDNO	string	No	The identity card number of a person

Input Data Information:

Data Fields	Sample
IDNO	1111111M

Output Parameters Description:

No.	Parameter Name	Type	Description
1	PersonPK	int	The primary key of a person's record
2	PersonIDNO	string	The identity card number of a person
3	PersonSurname	string	The surname of a person
4	PersonName	string	The name of a person
5	PersonBirthDate	string	The date of birth of a person
6	PersonGenderDesc	string	The gender of a person
7	PersonBirthPlace	string	The place where person was born
8	PersonBirthCountry	string	The country where person was born

9	PersonBirthSurname	string	The birth surname of a person	
10	PersonDoorNumber	string	The door number of property where person resides	
11	PersonHouseName	string	The house name of property where person resides	
12	PersonStreetSubDivision	string	The sub division of property where person resides	
13	PersonStreetName	string	The street name of property where person resides	
14	PersonStreetPrefix	string	The street prefix of property where person resides	
15	PersonLocalityName	string	The locality and region of property where person resides	
16	PersonPostCode	string	The post code of property where person resides	
17	RecordsReturned	int	The number of records returned	
18	Retval	int	Possible CDR adapter return Values:	
			Value	Description
			0	Successful Execution
			-1	Data Source Error
			-2	Malicious Input Error
			-3	Input Range Error
			-4	Active Directory Authentication Error
-9	Generic Error			

Output Data Information:

	+ve Sample	-ve Sample
No of Records Returned	1	0
Data Fields		
PersonPK	111111	N/A
PersonIDNO	1111111M	N/A
PersonSurname	SMITH	N/A
PersonName	JOHN	N/A
PersonBirthDate	30/08/1970	N/A
PersonGenderDesc	MALE	N/A
PersonBirthPlace	PIETA`	N/A
PersonBirthCountry	MALTA	N/A
PersonBirthSurname	SMITH	N/A
PersonDoorNumber	99	N/A
PersonHouseName	ZM BLDGS	N/A
PersonStreetSubDivision	FL 1	N/A
PersonStreetName	SUR	N/A
PersonStreetPrefix	TRIQ IS-	N/A
PersonLocalityName	ATTARD - MALTA	N/A
PersonPostCode	BZN 02	N/A
RecordsReturned	1	0
Retval	0	-1/-2/-3/-4/-9

04.3.2.2 Ws_CDR_PersonAddress_ByPK Web Method Information

Description:

A person's and address details where he/she resides are retrieved upon submission of primary key of a person record to the web method.

Input Parameters Description:

No.	Parameter Name	Type	Optional	Description
-----	----------------	------	----------	-------------

1	PK	Int	No	The primary key of a person's record
---	----	-----	----	--------------------------------------

Input Data Information:

Data Fields	Sample
PK	111111

Output Parameters Description:

No.	Parameter Name	Type	Description														
1	PersonPK	int	The primary key of a person's record														
2	PersonIDNO	string	The identity card number of a person														
3	PersonSurname	string	The surname of a person														
4	PersonName	string	The name of a person														
5	PersonBirthDate	string	The date of birth of a person														
6	PersonGenderDesc	string	The gender of a person														
7	PersonBirthPlace	string	The place where person was born														
8	PersonBirthCountry	string	The country where person was born														
9	PersonBirthSurname	string	The birth surname of a person														
10	PersonDoorNumber	string	The door number of property where person resides														
11	PersonHouseName	string	The house name of property where person resides														
12	PersonStreetSubDivision	string	The sub division of property where person resides														
13	PersonStreetName	string	The street name of property where person resides														
14	PersonStreetPrefix	string	The street prefix of property where person resides														
15	PersonLocalityName	string	The locality and region of property where person resides														
16	PersonPostCode	string	The post code of property where person resides														
17	RecordsReturned	Int	The number of records returned														
18	RetVal	int	Possible CDR adapter return Values:														
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Value	Description																
0	Successful Execution																
-1	Data Source Error																
-2	Malicious Input Error																
-3	Input Range Error																
-4	Active Directory Authentication Error																
-9	Generic Error																

Output Data Information:

	+ve Sample	-ve Sample
No of Records Returned	1	0
Data Fields		
PersonPK	111111	N/A
PersonIDNO	1111111M	N/A
PersonSurname	SMITH	N/A
PersonName	JOHN	N/A
PersonBirthDate	30/08/1970	N/A
PersonGenderDesc	MALE	N/A
PersonBirthPlace	PIETA`	N/A
PersonBirthCountry	MALTA	N/A
PersonBirthSurname	SMITH	N/A
PersonDoorNumber	99	N/A

PersonHouseName	ZM BLDGS	N/A
PersonStreetSubDivision	FL 1	N/A
PersonStreetName	SUR	N/A
PersonStreetPrefix	TRIQ IS-	N/A
PersonLocalityName	ATTARD - MALTA	N/A
PersonPostCode	BZN 02	N/A
RecordsReturned	1	0
Retval	0	-1/-2/-3/-4/-9

04.3.2.3 Ws_CDR_PersonAddress_ByIDNO_NIDMS Web Method Information

Description:

Details of a person and address where he/she resides are retrieved upon submission of identity card number to web method. *Kindly note that Birth Acts for persons born prior to September 1994 might not be linked to their Marriage Act and thus their Marital Status and Marriage date will not be available.*

Input Parameters Description:

No.	Parameter Name	Type	Optional	Description
1	IDNO	string	No	The identity card number of a person

Input Data Information:

Data Fields	Sample
IDNO	1111111M

Output Parameters Description:

No.	Parameter Name	Type	Description
1	PersonPK	int	The primary key of a person's record
2	PersonIDNO	string	The identity card number of a person
3	PersonSurname	string	The surname of a person
4	PersonName	string	The name of a person
5	PersonBirthSurname	string	The birth surname of a person
6	PersonBirthDate	string	The date of birth of a person
7	PersonGenderFk	int	The gender key of a person
8	PersonGenderDesc	string	The gender of a person
9	PersonBirthPlaceFk	int	The place key where person was born
10	PersonBirthPlace	string	The place where person was born
11	PersonBirthCountryFk	int	The country key where person was born
12	PersonBirthCountry	string	The country where person was born
13	PersonMaritalStatusFk	int	The marital status key of the person
14	PersonMaritalStatusDesc	string	The marital status of the person
15	PersonNationalityCode	string	The field is no longer maintained.
16	PersonNationality	string	The field is no longer maintained.
17	PersonBirthPlaceCDBCode	string	The CDB place key where person was born
18	PersonBirthPlaceCDBDesc	string	The CDB place where person was born
19	PersonBirthPlaceElecCode	string	The Electoral Office place key where person was born

20	PersonBirthPlaceElecDesc	string	The Electoral Office place where person was born
21	PersonAddressFk	int	The address key where person resides
22	PersonAddressElecFk	int	The Electoral Office address key where person resides
23	PersonAddressCDB	int	The CDB address key where person resides
24	PersonAddressDoorNumber	string	The door number of property where person resides
25	PersonAddressPropertyName	string	The house name of property where person resides
26	PersonAddressSubDivision	string	The sub division of property where person resides
27	PersonAddressPostFk	int	The field is no longer maintained.
28	PersonAddressPostCode	string	The field is no longer maintained.
29	PersonStreetFk	int	The street key of property where person resides
30	PersonStreetElecFk	int	The Electoral Office street key of property where person resides
31	PersonStreetCdb	int	The CDB street key of property where person resides
32	PersonStreetPrefix	string	The street prefix of property where person resides
33	PersonStreetPrefixMt	string	The Maltese street prefix of property where person resides
34	PersonStreetNameMt	string	The Maltese street name of property where person resides
35	PersonStreetName	string	The street name of property where person resides
36	LocalityElecFk	int	The Electoral Office locality key property where person resides
37	LocalityFk	int	The locality key property where person resides
38	LocalityCdb	int	The CDB locality key property where person resides
39	LocalityNameMt	string	The locality and region of property where person resides
40	LocalityName	string	The locality and region of property where person resides
41	LocalityTypeFk	int	The locality type key of property where person resides
42	LocalCouncilFk	int	The local council key of property where person resides
43	LocalCouncilName	string	The local council name of property where person resides
44	LocalCouncilNameMt	string	The Maltese local council name of property where person resides
45	LocalCouncilOfficialCode	string	The local council official code of property where person resides
46	LocalCouncilOfficialDesc	string	The local council official description of property where person resides
47	LCSectionOfficialCodeDesc	string	The local council section official description of property where person resides
48	MarriageDate	string	The marriage date of person

49	RecordsReturned	int	The number of records returned	
50	Retval	int	Possible CDR adapter return Values:	
			Value	Description
			0	Successful Execution
			-1	Data Source Error
			-2	Malicious Input Error
			-3	Input Range Error
			-4	Active Directory Authentication Error
-9	Generic Error			

Output Data Information:

	+ve Sample	-ve Sample
No of Records Returned	1	0
Data Fields		
PersonPK	111111	N/A
PersonIDNO	1111111M	N/A
PersonSurname	SMITH	N/A
PersonName	JOHN	N/A
PersonBirthSurname	SMITH	N/A
PersonBirthDate	30/08/1970	N/A
PersonGenderFk	74	N/A
PersonGenderDesc	MALE	N/A
PersonBirthPlaceFk		N/A
PersonBirthPlace	SAN GILJAN	N/A
PersonBirthCountryFk	245	N/A
PersonBirthCountry	MALTA	N/A
PersonMaritalStatusFk	172	N/A
PersonMaritalStatus	MARRIED	N/A
PersonNationalityCode	MLT	N/A
PersonNationality	MALTIJA	N/A
PersonBirthPlaceCDBCode		N/A
PersonBirthPlaceCDBDesc		N/A
PersonBirthPlaceElecCode	066	N/A
PersonBirthPlaceElecDesc	SAN GILJAN	N/A
PersonAddressFk	292559	N/A
PersonAddressElecFk	1	N/A
PersonAddressCdb	643132	N/A
PersonAddressDoorNumber	99	N/A
PersonAddressPropertyName	ZM BLDGS	N/A
PersonAddressSubDivision	FL 1	N/A
PersonAddressPostFk	1	N/A
PersonAddressPostCode	SWQ	N/A
PersonStreetFk	6017	N/A
PersonStreetElecFk	850308	N/A
PersonStreetCdb	6431	N/A
PersonStreetPrefix	TRIQ IS-	N/A
PersonStreetPrefixMt	Triq is-	N/A
PersonStreetNameMt	SEJJIEH	N/A
PersonStreetName	Sejjieh	N/A
LocalityFk	328	N/A

LocalityElecFk	79	N/A
LocalityCdb	07	N/A
LocalityNameMt	ZEBBUG [Haż-Żebbuġ (Ċittà Rohan)]	N/A
LocalityName	Haż-Żebbuġ (Malta)	N/A
LocalityTypeFk	68	N/A
LocalCouncilFk	386	N/A
LocalCouncilName	ZEBBUG [Kunsill Lokali ta' Haż-Żebbuġ]	N/A
LocalCouncilNameMt	Kunsill Lokali ta' Haż-Żebbuġ	N/A
LocalCouncilOfficialCode	7	N/A
LocalCouncilOfficialDesc	Haż-Żebbuġ (Malta)	N/A
LCSectionOfficialCodeDesc	79	N/A
MarriageDate	22/08/1987	N/A
RecordsReturned	1	0
Retval	0	-1/-2/-3/-4/-9

04.3.3 Person Dead

04.3.3.1 Ws_CDR_PersonDead_ByIDNO Web Method Information

Description:

The details of a deceased person are retrieved when identity card number of person is submitted to web method. *Kindly note that Birth Acts for persons born prior to September 1994 might not be linked to their Death Act and thus will not be returned.*

Input Parameters Description:

No.	Parameter Name	Type	Optional	Description
1	IDNO	string	No	The person's identity number

Input Data Information:

Data Fields	Sample
IDNO	1111111M

Output Parameters Description:

No.	Parameter Name	Type	Description						
1	PersonPK	int	The primary key of a person's record						
2	PersonFullName	string	The full name of person (Name and surname)						
3	PersonBirthDate	string	The date of birth of person						
4	PersonGenderDesc	string	The gender of person						
5	PersonBirthPlace	string	The birth place person						
6	PersonBirthCountry	string	The country where person was born						
7	PersonBirthSurname	string	The birth surname of person						
8	PersonDeathDate	string	The date when the person deceased						
9	RecordsReturned	int	The number of records returned						
10	Retval	int	Possible CDR adapter return Values:						
			<table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Successful Execution</td> </tr> <tr> <td>-1</td> <td>Data Source Error</td> </tr> </tbody> </table>	Value	Description	0	Successful Execution	-1	Data Source Error
Value	Description								
0	Successful Execution								
-1	Data Source Error								

			-2	Malicious Input Error
			-3	Input Range Error
			-4	Active Directory Authentication Error
			-9	Generic Error

Output Data Information:

	+ve Sample	-ve Sample
No of Records Returned	1	0
Data Fields		
PersonPK	111111	N/A
PersonFullName	SMITH JOHN	N/A
PersonBirthDate	30 August 1970	N/A
PersonGenderDesc	M	N/A
PersonBirthPlace	PIETA`	N/A
PersonBirthCountry	MALTA	N/A
PersonBirthSurname	SMITH	N/A
PersonDeathDate	17 Feb 2010	N/A
RecordsReturned	1	0
Retval	0	-1/-2/-3/-4/-9

04.3.4 Person Relation

04.3.4.1 Ws_CDR_PersonSiblings_ByIDNO Web Method Information

Description: Details of the person's children are retrieved upon submission of identity number to web method. *Kindly note that relationships for persons born prior to September 1994 might not be available and thus will not be returned.*

Input Parameters Description:

No.	Parameter Name	Type	Optional	Description
1	IDNo	String	No	Identity card number of the parent

Input Data Information:

Data Fields	Sample
IDNo	0000000M

Output Parameters Description:

No.	Parameter Name	Type	Description
1	PersonPK	int	The primary key of child
2	PersonIDNO	String	The ID card no of the child
3	PersonSurname	String	The surname of the child
4	PersonName	String	The name of the child
5	PersonBirthDate	String	The date of birth of the father
6	PersonBirthCountry	String	The country where the child was born
7	PersonGenderDesc	String	The gender of the child

8	retval	int	
---	--------	-----	--

Output Data Information:

	+ve Sample	-ve Sample
No of Records Returned	4	0
Data Fields		
PersonPK	1059264	N/A
PersonIDNO	0010899G	N/A
PersonSurname	MICALLEF	N/A
PersonName	CLAIRE	N/A
PersonBirthDate	17/04/1999	N/A
PersonBirthCountry	MALTA	N/A
PersonGenderDesc	FEMALE	N/A
Retval	0	-1/-2/-3/-4/-9

04.3.4.2 Ws_CDR_PersonMother_ByIDNO Web Method Information

Description: IDNO of a person's Mother are retrieved upon submission of the child's IDNO. *Kindly note that relationships for persons born prior to September 1994 might not be available and thus will not be returned.*

Input Parameters Description:

No.	Parameter Name	Type	Optional	Description
1	PersonIDNO	String	Yes	The Identity Card number of a person

Input Data Information:

Data Fields	Sample
PersonIDNO	1234567M

Output Parameters Description:

No.	Parameter Name	Type	Description	
1	PersonPK	int	The primary key of a person's record	
2	PersonIDNO	string	The Identity Card number of a person	
3	PersonMotherIDNO	string	The Identity Card number of a person's Mother	
4	PersonStatus	string	The Record Status	
5	RecordsReturned	int	The number of records returned	
6	Retval	int	Possible CDR adapter return Values:	
			Value	Description
			0	Successful Execution
			1	Data Source Error
			2	Malicious Input Error
			3	Input Range Error
			4	Active Directory Authentication Error
			9	Generic Error

Output Data Information:

	+ve Sample	-ve Sample

No of Records Returned	>=1	0
Data Fields		
PersonPK	111111	N/A
PersonIDNO	111111M	N/A
PersonIMotherDNO	222222M	N/A
PersonStatus	A	N/A
RecordsReturned	0,1 or many	0
Retval	0	-1/-2/-3/-4/-9

04.3.4.3 Ws_CDR_PersonFather_ByIDNO Web Method Information

Description: IDNO of a person's Father are retrieved upon submission of the child's IDNO.
Kindly note that relationships for persons born prior to September 1994 might not be available and thus will not be returned.

Input Parameters Description:

No.	Parameter Name	Type	Optional	Description
1	PersonIDNO	String	Yes	The Identity Card number of a person

Input Data Information:

Data Fields	Sample
PersonIDNO	1234567M

Output Parameters Description:

No.	Parameter Name	Type	Description	
1	PersonPK	int	The primary key of a person's record	
2	PersonIDNO	string	The Identity Card number of a person	
3	PersonFatherIDNO	string	The Identity Card number of a person's Father	
4	PersonStatus	string	The Record Status	
5	RecordsReturned	int	The number of records returned	
6	Retval	Int	Possible CDR adapter return Values:	
			Value	Description
			0	Successful Execution
			-1	Data Source Error
			-2	Malicious Input Error
			-3	Input Range Error
			-4	Active Directory Authentication Error
			-9	Generic Error

Output Data Information:

	+ve Sample	-ve Sample
No of Records Returned	>=1	0
Data Fields		
PersonPK	111111	N/A
PersonIDNO	111111M	N/A
PersonIFatherDNO	222222M	N/A
PersonStatus	A	N/A
RecordsReturned	0,1 or many	0

Retval	0	-1/-2/-3/-4/-9
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04.3.4.4 Ws_CDR_PersonSpouse_ByIDNO Web Method Information

Description: IDNO of a person's Spouse are retrieved upon submission of the person's IDNO. *Kindly note that relationships for persons born prior to September 1994 might not be available and thus will not be returned.*

Input Parameters Description:

No.	Parameter Name	Type	Optional	Description
1	PersonIDNO	string	Yes	The Identity Card number of a person

Input Data Information:

Data Fields	Sample
PersonIDNO	1234567M

Output Parameters Description:

No.	Parameter Name	Type	Description														
1	PersonPK	int	The primary key of a person's record														
2	PersonIDNO	string	The Identity Card number of a person														
3	PersonSpouseIDNO	string	The Identity Card number of a person's Spouse														
4	PersonStatus	string	The Record Status														
5	RecordsReturned	int	The number of records returned														
6	Retval	int	Possible CDR adapter return Values: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Successful Execution</td> </tr> <tr> <td>-1</td> <td>Data Source Error</td> </tr> <tr> <td>-2</td> <td>Malicious Input Error</td> </tr> <tr> <td>-3</td> <td>Input Range Error</td> </tr> <tr> <td>-4</td> <td>Active Directory Authentication Error</td> </tr> <tr> <td>-9</td> <td>Generic Error</td> </tr> </tbody> </table>	Value	Description	0	Successful Execution	-1	Data Source Error	-2	Malicious Input Error	-3	Input Range Error	-4	Active Directory Authentication Error	-9	Generic Error
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0	Successful Execution																
-1	Data Source Error																
-2	Malicious Input Error																
-3	Input Range Error																
-4	Active Directory Authentication Error																
-9	Generic Error																

Output Data Information:

	+ve Sample	-ve Sample
No of Records Returned	>=1	0
Data Fields		
PersonPK	111111	N/A
PersonIDNO	111111M	N/A
PersonSpouseIDNO	222222M	N/A
PersonStatus	A	N/A
RecordsReturned	0,1 or many	0
Retval	0	-1/-2/-3/-4/-9

04.3.4.5 Ws_CDR_PersonParent_ByIDNO_NIDMS Web Method Information

Description: IDNO of a person’s parents are retrieved upon submission of the child’s IDNO.

Input Parameters Description:

No.	Parameter Name	Type	Optional	Description
1	PersonIDNO	String	Yes	The Identity Card number of a person

Input Data Information:

Data Fields	Sample
PersonIDNO	1234567M

Output Parameters Description:

No.	Parameter Name	Type	Description														
1	PersonPK	int	The primary key of a person’s record														
2	PersonIDNO	string	The Identity Card number of a person														
3	FatherIDNO	string	The Identity Card number of a person’s Father														
4	FatherFk	int	The person Identifier of a person’s Father														
5	FatherName	string	The Name of a person’s Father														
6	FatherSurname	string	The Surname of a person’s Father														
7	FatherBirthSurname	string	The birth surname of a person’s Father														
8	FatherBirthDate	string	The date of birth of a person’s Father														
9	FatherBirthCountry	string	The birth country of a person’s Father														
10	FatherBirthCountry Fk	int	The birth country key of a person’s Father														
11	FatherIBirthPlace	string	The birth place of a person’s Father														
12	FatherBirthPlaceFd	int	The birth place key of a person’s Father														
13	PersonMotherIDNO	string	The Identity Card number of a person’s Mother														
14	PersonMotherFk	int	The person Identifier of a person’s Mother														
15	MotherName	string	The Name of a person’s Mother														
16	MotherSurname	string	The Surname of a person’s Mother														
17	MotherBirthSurname	string	The birth surname of a person’s Mother														
18	MotherBirthDate	string	The date of birth of a person’s Mother														
19	MotherBirthCountry	string	The birth country of a person’s Mother														
20	MotherBirthCountry Fk	int	The birth country key of a person’s Mother														
21	MotherIBirthPlace	string	The birth place of a person’s Mother														
22	MotherBirthPlaceFd	int	The birth place key of a person’s Mother														
23	RecordsReturned	int	The number of records returned														
24	Retval	Int	Possible CDR adapter return Values: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Successful Execution</td> </tr> <tr> <td>-1</td> <td>Data Source Error</td> </tr> <tr> <td>-2</td> <td>Malicious Input Error</td> </tr> <tr> <td>-3</td> <td>Input Range Error</td> </tr> <tr> <td>-4</td> <td>Active Directory Authentication Error</td> </tr> <tr> <td>-9</td> <td>Generic Error</td> </tr> </tbody> </table>	Value	Description	0	Successful Execution	-1	Data Source Error	-2	Malicious Input Error	-3	Input Range Error	-4	Active Directory Authentication Error	-9	Generic Error
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0	Successful Execution																
-1	Data Source Error																
-2	Malicious Input Error																
-3	Input Range Error																
-4	Active Directory Authentication Error																
-9	Generic Error																

Output Data Information:

	+ve Sample	-ve Sample
No of Records Returned	>=1	0
Data Fields		
PersonPK	0	N/A
PersonIDNO	111111M	N/A
FatherIDNO	222222M	N/A
FatherFk	222222M	N/A
FatherName	JOE	N/A
FatherSurname	BORG	N/A
FatherBirthSurname		N/A
FatherBirthDate		N/A
FatherBirthCountryFk	0	N/A
FatherBirthCountry	MALTA	N/A
FatherBirthPlace	HAMRUN	N/A
FatherBirthPlaceFk	0	N/A
PersonMotherIDNO	333333M	N/A
PersonMotherFk	333333M	N/A
MotherName	MARY	N/A
MotherSurname	BORG	N/A
MotherBirthSurname		N/A
MotherBirthDate		N/A
MotherBirthCountryFk	0	N/A
MotherBirthCountry	MALTA	N/A
MotherBirthPlace	HAMRUN	N/A
MotherBirthPlaceFk	0	N/A
RecordsReturned	0,1 or many	0
Retval	0	-1/-2/-3/-4/-9

04.4 CDR Adapter Web Methods (Organisational Data)

04.4.1 Local Council

04.4.1.1 Ws_CDR_LocalCouncil_ByName Web Method Information

Description:

The details of the local council are retrieved when local council name is submitted to web method.

Input Parameters Description:

No.	Parameter Name	Type	Optional	Description
1	Name	string	No	The name of the local council

Output Parameters Description:

No.	Parameter Name	Type	Length	Description														
1	LocalCouncilPK	int	4	The primary key of the local council														
2	LocalCouncilName	string	50	Local Council Name e.g. L-Iklin														
3	LocalCouncilNumber	string	5	Local Council Number e.g. 28														
3	LocalCouncilRegion	string	50	Local Council Region e.g. MALTA														
3	LocalCouncilStatus	char	1	Local Council Status e.g. A														
3	retval	int		Possible CDR adapter return Values: <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Successful Execution</td> </tr> <tr> <td>-1</td> <td>Data Source Error</td> </tr> <tr> <td>-2</td> <td>Malicious Input Error</td> </tr> <tr> <td>-3</td> <td>Input Range Error</td> </tr> <tr> <td>-4</td> <td>Active Directory Authentication Error</td> </tr> <tr> <td>-9</td> <td>Generic Error</td> </tr> </tbody> </table>	Value	Description	0	Successful Execution	-1	Data Source Error	-2	Malicious Input Error	-3	Input Range Error	-4	Active Directory Authentication Error	-9	Generic Error
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-2	Malicious Input Error																	
-3	Input Range Error																	
-4	Active Directory Authentication Error																	
-9	Generic Error																	

Output Data Information:

	+ve Sample	-ve Sample
No of Records Returned	1	0
Data Fields		
LocalCouncilPK	370	N/A
LocalCouncilName	In-Naxxar	
LocalCouncilNumber	44	
LocalCouncilRegion	MALTA	
LocalCouncilStatus	A	
Retval	0	-1/-2/-3/-4/-9

04.4.1.2 Ws_CDR_LocalCouncil_ByPK Web Method Information

Description:

The details of the local council are retrieved when local council primary key is submitted to web method.

Input Parameters Description:

No.	Parameter Name	Type	Optional	Description
1	PK	int	No	The primary key of the local council

Output Parameters Description:

No.	Parameter Name	Type	Length	Description														
1	LocalCouncilPK	int	4	The primary key of the local council														
2	LocalCouncilName	string	50	Local Council Name e.g. L-Iklin														
3	LocalCouncilNumber	string	5	Local Council Number e.g. 28														
3	LocalCouncilRegion	string	50	Local Council Region e.g. MALTA														
3	LocalCouncilStatus	char	1	Local Council Status e.g. A														
3	retval	int		Possible CDR adapter return Values: <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Successful Execution</td> </tr> <tr> <td>-1</td> <td>Data Source Error</td> </tr> <tr> <td>-2</td> <td>Malicious Input Error</td> </tr> <tr> <td>-3</td> <td>Input Range Error</td> </tr> <tr> <td>-4</td> <td>Active Directory Authentication Error</td> </tr> <tr> <td>-9</td> <td>Generic Error</td> </tr> </tbody> </table>	Value	Description	0	Successful Execution	-1	Data Source Error	-2	Malicious Input Error	-3	Input Range Error	-4	Active Directory Authentication Error	-9	Generic Error
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-1	Data Source Error																	
-2	Malicious Input Error																	
-3	Input Range Error																	
-4	Active Directory Authentication Error																	
-9	Generic Error																	

Output Data Information:

	+ve Sample	-ve Sample
No of Records Returned	1	0
Data Fields		
LocalCouncilPK	371	N/A
LocalCouncilName	Paola	
LocalCouncilNumber	45	
LocalCouncilRegion	MALTA	
LocalCouncilStatus	A	
Retval	0	-1/-2/-3/-4/-9

04.4.1.3 Ws_CDR_LocalCouncil_List Web Method Information

Description:

A list of local councils is retrieved when the web method is invoked.

Input Parameters Description:

None

Output Parameters Description:

No.	Parameter Name	Type	Length	Description
-----	----------------	------	--------	-------------

1	LocalCouncilPK	int	4	The primary key of the local council														
2	LocalCouncilName	string	50	Local Council Name e.g. L-Ikkin														
3	LocalCouncilNumber	string	5	Local Council Number e.g. 28														
3	LocalCouncilRegion	string	50	Local Council Region e.g. MALTA														
3	LocalCouncilStatus	char	1	Local Council Status e.g. A														
3	retval	int		Possible CDR adapter return Values:														
				<table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Successful Execution</td> </tr> <tr> <td>-1</td> <td>Data Source Error</td> </tr> <tr> <td>-2</td> <td>Malicious Input Error</td> </tr> <tr> <td>-3</td> <td>Input Range Error</td> </tr> <tr> <td>-4</td> <td>Active Directory Authentication Error</td> </tr> <tr> <td>-9</td> <td>Generic Error</td> </tr> </tbody> </table>	Value	Description	0	Successful Execution	-1	Data Source Error	-2	Malicious Input Error	-3	Input Range Error	-4	Active Directory Authentication Error	-9	Generic Error
Value	Description																	
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-1	Data Source Error																	
-2	Malicious Input Error																	
-3	Input Range Error																	
-4	Active Directory Authentication Error																	
-9	Generic Error																	

Output Data Information:

	+ve Sample	-ve Sample
No of Records Returned	69	0
Data Fields		
LocalCouncilPK	381	N/A
LocalCouncilName	San Gwann	
LocalCouncilNumber	53	
LocalCouncilRegion	MALTA	
LocalCouncilStatus	A	
Retval	0	-1/-2/-3/-4/-9

04.4.2 Organisational Unit¹

04.4.2.1 Ws_CDR_OrganisationalUnit_ByName Web Method Information

Description:

The details of the organisation are retrieved when organisational unit name is submitted to web method.

Input Parameters Description:

No.	Parameter Name	Type	Optional	Description
1	Name	string	No	The IDNO of the medical doctor

Output Parameters Description:

No.	Parameter Name	Type	Length	Description
1	OrganisationPK	int	4	The primary key of the organisation

¹ An Organisation Unit is a legally mandated or officially recognised business or administrative structure that forms part of the enterprise and its processes.

2	OrganisationName	string	100	Organisation Name e.g. Ministry for Gozo														
3	OrganisationParent	string	80	Organisation Parent e.g. Government of Malta														
4	OrganisationGroup	string	80	Organisation Group e.g. Ministry for Gozo														
5	OrganisationType	string	50	Organisation Type e.g. Government Ministry														
5	OrganisationStatus	char	1	Organisation Status e.g. A														
5	retval	int		Possible CDR adapter return Values: <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Successful Execution</td> </tr> <tr> <td>-1</td> <td>Data Source Error</td> </tr> <tr> <td>-2</td> <td>Malicious Input Error</td> </tr> <tr> <td>-3</td> <td>Input Range Error</td> </tr> <tr> <td>-4</td> <td>Active Directory Authentication Error</td> </tr> <tr> <td>-9</td> <td>Generic Error</td> </tr> </tbody> </table>	Value	Description	0	Successful Execution	-1	Data Source Error	-2	Malicious Input Error	-3	Input Range Error	-4	Active Directory Authentication Error	-9	Generic Error
Value	Description																	
0	Successful Execution																	
-1	Data Source Error																	
-2	Malicious Input Error																	
-3	Input Range Error																	
-4	Active Directory Authentication Error																	
-9	Generic Error																	

Output Data Information:

	+ve Sample	-ve Sample
No of Records Returned	2	0
Data Fields		
OrganisationPK	2732	N/A
OrganisationName	Ministry of Finance, Economy and Investment	
OrganisationParent	Government of Malta	
OrganisationGroup	Government of Malta	
OrganisationType	Government Ministry	
OrganisationStatus	A	
Retval	0	-1/-2/-3/-4/-9

04.4.2.2 Ws_CDR_OrganisationalUnit_ByPK Web Method Information

Description:

The details of the organisation are retrieved when organisational unit primary key is submitted to web method.

Input Parameters Description:

No.	Parameter Name	Type	Optional	Description
1	IDNO	string	No	The IDNO of the medical doctor

Output Parameters Description:

No.	Parameter Name	Type	Length	Description
1	OrganisationPK	int	4	The primary key of the organisation
2	OrganisationName	string	100	Organisation Name e.g. Ministry for Gozo
3	OrganisationParent	string	80	Organisation Parent e.g. Government of Malta

4	OrganisationGroup	string	80	Organisation Group e.g. Ministry for Gozo														
5	OrganisationType	string	50	Organisation Type e.g. Government Ministry														
5	OrganisationStatus	char	1	Organisation Status e.g. A														
5	retval	int		Possible CDR adapter return Values: <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Successful Execution</td> </tr> <tr> <td>-1</td> <td>Data Source Error</td> </tr> <tr> <td>-2</td> <td>Malicious Input Error</td> </tr> <tr> <td>-3</td> <td>Input Range Error</td> </tr> <tr> <td>-4</td> <td>Active Directory Authentication Error</td> </tr> <tr> <td>-9</td> <td>Generic Error</td> </tr> </tbody> </table>	Value	Description	0	Successful Execution	-1	Data Source Error	-2	Malicious Input Error	-3	Input Range Error	-4	Active Directory Authentication Error	-9	Generic Error
Value	Description																	
0	Successful Execution																	
-1	Data Source Error																	
-2	Malicious Input Error																	
-3	Input Range Error																	
-4	Active Directory Authentication Error																	
-9	Generic Error																	

Output Data Information:

	+ve Sample	-ve Sample
No of Records Returned	1	0
Data Fields		
OrganisationPK	12	N/A
OrganisationName	Ministry of Gozo	
OrganisationParent	Government of Malta	
OrganisationGroup	Ministry of Gozo	
OrganisationType	Government Ministry	
OrganisationStatus	H	
Retval	0	-1/-2/-3/-4/-9

04.4.2.3 Ws_CDR_OrganisationalUnit_List Web Method Information

Description:

A list of organisations is retrieved when web method is invoked.

Input Parameters Description:

None

Output Parameters Description:

No.	Parameter Name	Type	Length	Description
1	OrganisationPK	int	4	The primary key of the Organisation
2	OrganisationName	string	100	Organisation Name e.g. Ministry for Gozo
3	OrganisationParent	string	80	Organisation Parent e.g. Government of Malta
4	OrganisationGroup	string	80	Organisation Group e.g. Ministry for Gozo

5	OrganisationType	string	50	Organisation Type e.g. Government Ministry														
5	OrganisationStatus	char	1	Organisation Status e.g. A														
5	retval	int		Possible CDR adapter return Values: <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Successful Execution</td> </tr> <tr> <td>-1</td> <td>Data Source Error</td> </tr> <tr> <td>-2</td> <td>Malicious Input Error</td> </tr> <tr> <td>-3</td> <td>Input Range Error</td> </tr> <tr> <td>-4</td> <td>Active Directory Authentication Error</td> </tr> <tr> <td>-9</td> <td>Generic Error</td> </tr> </tbody> </table>	Value	Description	0	Successful Execution	-1	Data Source Error	-2	Malicious Input Error	-3	Input Range Error	-4	Active Directory Authentication Error	-9	Generic Error
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0	Successful Execution																	
-1	Data Source Error																	
-2	Malicious Input Error																	
-3	Input Range Error																	
-4	Active Directory Authentication Error																	
-9	Generic Error																	

Output Data Information:

	+ve Sample	-ve Sample
No of Records Returned	1	0
Data Fields		
OrganisationPK	12	N/A
OrganisationName	Ministry of Gozo	
OrganisationParent	Government of Malta	
OrganisationGroup	Ministry of Gozo	
OrganisationType	Government Ministry	
OrganisationStatus	H	
Retval	0	-1/-2/-3/-4/-9

04.4.3 Role

04.4.3.1 Ws_CDR_Role_ByName Web Method Information

Description:

Retrieves details of a government role when name of is submitted to web method.

Input Parameters Description:

No.	Parameter Name	Type	Optional	Description
1	Name	string	No	The name of a government role

Input Data Information:

Data Fields	Sample
Name	Storekeeper

Output Parameters Description:

No.	Parameter Name	Type	Description
1	RolePK	int	The primary key of a government role
2	RoleName	string	The name of a government role
3	RoleOrganisation	string	The name of organization where role exists

4	RoleOrganisationGroup	string	The organization group where role exists														
5	RoleParent	string	The parent role in an organization of the role submitted through web service														
6	RoleStatus	string	Indicates status of role e.g. Active														
7	RecordsReturned	Int	The number of records returned														
8	Retval	int	Possible CDR adapter return Values: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Successful Execution</td> </tr> <tr> <td>-1</td> <td>Data Source Error</td> </tr> <tr> <td>-2</td> <td>Malicious Input Error</td> </tr> <tr> <td>-3</td> <td>Input Range Error</td> </tr> <tr> <td>-4</td> <td>Active Directory Authentication Error</td> </tr> <tr> <td>-9</td> <td>Generic Error</td> </tr> </tbody> </table>	Value	Description	0	Successful Execution	-1	Data Source Error	-2	Malicious Input Error	-3	Input Range Error	-4	Active Directory Authentication Error	-9	Generic Error
Value	Description																
0	Successful Execution																
-1	Data Source Error																
-2	Malicious Input Error																
-3	Input Range Error																
-4	Active Directory Authentication Error																
-9	Generic Error																

Output Data Information:

	+ve Sample	-ve Sample
No of Records Returned	1	0
Data Fields		
RolePK	3278	N/A
RoleName	Storekeeper	N/A
RoleOrganisation	Stores & Inventory Management	N/A
RoleOrganisationGroup	Malta Information Technology Agency	N/A
RoleParent	DM Corporate Affairs	N/A
RoleStatus	A	N/A
RecordsReturned	1	0
Retval	0	-1/-2/-3/-4/-9

04.4.3.2 Ws_CDR_Role_ByPK Web Method Information

Description:

The details of a government role are retrieved when primary key of government role is submitted to web method.

Input Parameters Description:

No.	Parameter Name	Type	Optional	Description
1	PK	Int	No	The primary key of a government role

Input Data Information:

Data Fields	Sample
PK	3278

Output Parameters Description:

No.	Parameter Name	Type	Description
1	RolePK	int	The primary key of a government role
2	RoleName	string	The name of a government role
3	RoleOrganisation	string	The name of organization where role exists
4	RoleOrganisationGroup	string	The organization group where role exists

5	RoleParent	string	The parent role in an organization of the role submitted through web service	
6	RoleStatus	string	Indicates status of role e.g. Active	
7	RecordsReturned	Int	The number of records returned	
8	Retval	int	Possible CDR adapter return Values:	
			Value	Description
			0	Successful Execution
			-1	Data Source Error
			-2	Malicious Input Error
			-3	Input Range Error
			-4	Active Directory Authentication Error
-9	Generic Error			

Output Data Information:

	+ve Sample	-ve Sample
No of Records Returned	1	0
Data Fields		
RolePK	3278	N/A
RoleName	Storekeeper	N/A
RoleOrganisation	Stores & Inventory Management	N/A
RoleORganisationGroup	Malta Information Technology Agency	N/A
RoleParent	DM Corporate Affairs	N/A
RoleStatus	A	N/A
RecordsReturned	1	0
Retval	0	-1/-2/-3/-4/-9

04.4.3.3 Ws_CDR_Role_List Web Method Information

Description:

A list of government roles is retrieved when web method is invoked.

Input Parameters Description:

None

Output Parameters Description:

No.	Parameter Name	Type	Description	
1	RolePK	int	The primary key of a government role	
2	RoleName	string	The name of a government role	
3	RoleOrganisation	string	The name of organization where role exists	
4	RoleOrganisationGroup	string	The organization group where role exists	
5	RoleParent	string	The parent role in an organization of the role submitted through web service	
6	RoleStatus	string	Indicates status of role e.g. Active	
7	RecordsReturned	int	The number of records returned	
8	Retval	int	Possible CDR adapter return Values:	
			Value	Description
			0	Successful Execution
			-1	Data Source Error
			-2	Malicious Input Error
			-3	Input Range Error
			-4	Active Directory Authentication Error

			-9	Generic Error
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Output Data Information:

	+ve Sample	-ve Sample
No of Records Returned	1	0
Data Fields		
RolePK	3278	N/A
RoleName	Storekeeper	N/A
RoleOrganisation	Stores & Inventory Management	N/A
RoleOrganisationGroup	Malta Information Technology Agency	N/A
RoleParent	DM Corporate Affairs	N/A
RoleStatus	A	N/A
RecordsReturned	1	0
Retval	0	-1/-2/-3/-4/-9

04.4.4 Role Person

04.4.4.1 Ws_CDR_RolesPerson_ByIDNO Web Method Information

Description:

The government role of a person is retrieved when identity card number of person is submitted to the web method.

Input Parameters Description:

No.	Parameter Name	Type	Optional	Description
1	IDNO	string	No	The identity card number of a person

Input Data Information:

Data Fields	Sample
IDNO	1111111M

Output Parameters Description:

No.	Parameter Name	Type	Description										
1	RolesPersonPK	int	The primary key of a person's record										
2	RolesPersonRoleName	string	A person's government role name										
3	RolesPersonOrganisation	string	The name of organization where role exists										
4	RolesPersonSurname	string	The surname of person										
5	RolesPersonName	string	The name of person										
6	RolesPersonIDNO	string	The identity card number of person										
7	RolesPersonRecordOwner	int	The record owner of a person's role										
8	RolesPersonStatus	string	Indicates status of role e.g. Active										
9	RecordsReturned	Int	The number of records returned										
10	Retval	int	Possible CDR adapter return Values: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Successful Execution</td> </tr> <tr> <td>-1</td> <td>Data Source Error</td> </tr> <tr> <td>-2</td> <td>Malicious Input Error</td> </tr> <tr> <td>-3</td> <td>Input Range Error</td> </tr> </tbody> </table>	Value	Description	0	Successful Execution	-1	Data Source Error	-2	Malicious Input Error	-3	Input Range Error
Value	Description												
0	Successful Execution												
-1	Data Source Error												
-2	Malicious Input Error												
-3	Input Range Error												

			-4	Active Directory Authentication Error
			-9	Generic Error

Output Data Information:

	+ve Sample	-ve Sample
No of Records Returned	1	0
Data Fields		
RolesPersonPK	540	N/A
RolesPersonRoleName	Storekeeper	N/A
RolesPersonOrganisation	Stores & Inventory Management	N/A
RolesPersonSurname	SMITH	N/A
RolesPersonName	JOHN	N/A
RolesPersonIDNO	1111111M	N/A
RolesPersonRecordOwner	394	N/A
RolesPersonStatus	A	N/A
RecordsReturned	1	0
Retval	0	-1/-2/-3/-4/-9

04.4.4.2 Ws_CDR_RolesPerson_ByPK Web Method Information

Description:

The government role of a person is retrieved when primary key of person is submitted to the web method.

Input Parameters Description:

No.	Parameter Name	Type	Optional	Description
1	PK	int	No	The primary key of a person's record

Input Data Information:

Data Fields	Sample
PK	540

Output Parameters Description:

No.	Parameter Name	Type	Description						
1	RolesPersonPK	int	The primary key of a person's record						
2	RolesPersonRoleName	string	A person's government role name						
3	RolesPersonOrganisation	string	The name of organization where role exists						
4	RolesPersonSurname	string	The surname of person						
5	RolesPersonName	string	The name of person						
6	RolesPersonIDNO	string	The identity card number of person						
7	RolesPersonRecordOwner	int	The record owner of a person's role						
8	RolesPersonStatus	string	Indicates status of role e.g. Active						
9	RecordsReturned	int	The number of records returned						
10	Retval	int	Possible CDR adapter return Values:						
			<table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Successful Execution</td> </tr> <tr> <td>-1</td> <td>Data Source Error</td> </tr> </tbody> </table>	Value	Description	0	Successful Execution	-1	Data Source Error
Value	Description								
0	Successful Execution								
-1	Data Source Error								

			-2	Malicious Input Error
			-3	Input Range Error
			-4	Active Directory Authentication Error
			-9	Generic Error

Output Data Information:

	+ve Sample	-ve Sample
No of Records Returned	1	0
Data Fields		
RolesPersonPK	540	N/A
RolesPersonRoleName	Storekeeper	N/A
RolesPersonOrganisation	Stores & Inventory Management	N/A
RolesPersonSurname	SMITH	N/A
RolesPersonName	JOHN	N/A
RolesPersonIDNO	1111111M	N/A
RolesPersonRecordOwner	394	N/A
RolesPersonStatus	A	N/A
RecordsReturned	1	0
Retval	0	-1/-2/-3/-4/-9

04.4.5 School

04.4.5.1 Ws_CDR_School_ByLocality Web Method Information

Description:

Returns a list of active schools whose Locality partially or fully matches the input parameter.

Input Parameters Description:

No.	Parameter Name	Type	Optional	Description
1	Locality	string	No	

Output Parameters Description:

No.	Parameter Name	Type	Description	
1	SchoolPK	int	The primary key of the schools table	
2	SchoolCode	string		
3	SchoolName	string		
4	SchoolLevel	string		
5	SchoolType	string		
6	SchoolLocality	string		
7	SchoolStatus	string		
8	retval	int	Possible CDR adapter return values:	
			Value	Description
			0	Successful Execution
Otherwise	Refer to Section Error! Reference source not found. Error! Reference source not found.			

Output Data Information:

	+ve Sample	-ve Sample

No of Records Returned	>=1	0
Data Fields		
SchoolPK	72	N/A
SchoolCode	PRC065	N/A
SchoolName	St Gorg Preca College Valletta Primary	N/A
SchoolLevel	Primary	N/A
SchoolType	Government/Public Schools	N/A
SchoolLocality	VALLETTA	N/A
SchoolStatus	A	N/A
retval	0	Refer to Section Error! Reference source not found. Error! Reference source not found.

04.4.5.2 Ws_CDR_School_ByName Web Method Information

Description:

Returns a list of active schools whose Name partially or fully matches the input parameter.

Input Parameters Description:

No.	Parameter Name	Type	Optional	Description
1	Name	string	No	

Output Parameters Description:

No.	Parameter Name	Type	Description	
1	SchoolPK	int	The primary key of the schools table	
2	SchoolCode	string		
3	SchoolName	string		
4	SchoolLevel	string		
5	SchoolType	string		
6	SchoolLocality	string		
7	SchoolStatus	string		
8	retval	int	Possible CDR adapter return values:	
			Value	Description
			0	Successful Execution
	Otherwise	Refer to Section Error! Reference source not found. Error! Reference source not found.		

Output Data Information:

	+ve Sample	-ve Sample
No of Records Returned	>=1	0
Data Fields		
SchoolPK	72	N/A
SchoolCode	PRC065	N/A
SchoolName	St Gorg Preca College Valletta Primary	N/A
SchoolLevel	Primary	N/A
SchoolType	Government/Public Schools	N/A
SchoolLocality	VALLETTA	N/A
SchoolStatus	A	N/A

retval	0	Refer to Section Error! Reference source not found. Error! Reference source not found.
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04.4.5.3 Ws_CDR_School_ByPK Web Method Information

Description:

Returns the school with the given primary key.

Input Parameters Description:

No.	Parameter Name	Type	Optional	Description
1	PK	int	No	The primary key of the school

Output Parameters Description:

No.	Parameter Name	Type	Description	
1	SchoolPK	int	The primary key of the schools table	
2	SchoolCode	string		
3	SchoolName	string		
4	SchoolLevel	string		
5	SchoolType	string		
6	SchoolLocality	string		
7	SchoolStatus	string		
8	retval	int	Possible CDR adapter return values:	
			Value	Description
			0	Successful Execution
	Otherwise		Refer to Section Error! Reference source not found. Error! Reference source not found.	

Output Data Information:

	+ve Sample	-ve Sample
No of Records Returned	1	0
Data Fields		
SchoolPK	72	N/A
SchoolCode	PRC065	N/A
SchoolName	St Gorg Preca College Valletta Primary	N/A
SchoolLevel	Primary	N/A
SchoolType	Government/Public Schools	N/A
SchoolLocality	VALLETTA	N/A
SchoolStatus	A	N/A
retval	0	Refer to Section Error! Reference source not found. Error! Reference source not found.

04.4.5.4 Ws_CDR_School_List Web Method Information

Description:

Returns a list of all schools.

Input Parameters Description:

None.

Output Parameters Description:

No.	Parameter Name	Type	Description	
1	SchoolPK	int	The primary key of the schools table	
2	SchoolCode	string		
3	SchoolName	string		
4	SchoolLevel	string		
5	SchoolType	string		
6	SchoolLocality	string		
7	SchoolStatus	string		
8	retval	int	Possible CDR adapter return values:	
			Value	Description
			0	Successful Execution
			Otherwise	Refer to Section Error! Reference source not found. Error! Reference source not found.

Output Data Information:

	+ve Sample	-ve Sample
No of Records Returned	>=1	0
Data Fields		
SchoolPK	72	N/A
SchoolCode	PRC065	N/A
SchoolName	St Gorg Preca College Valletta Primary	N/A
SchoolLevel	Primary	N/A
SchoolType	Government/Public Schools	N/A
SchoolLocality	VALLETTA	N/A
SchoolStatus	A	N/A
retval	0	Refer to Section Error! Reference source not found. Error! Reference source not found.

04.4.6 User Account

04.4.6.1 Ws_CDR_UserAccount_ByLoginID Web Method Information

Description:

User account details are retrieved when login identity of user is submitted to web method.

Input Parameters Description:

No.	Parameter Name	Type	Optional	Description
1	LoginID	string	No	The user name / login of a person

Input Data Information:

Data Fields	Sample
LoginID	smitj001

Output Parameters Description:

No.	Parameter Name	Type	Description
1	UserPK	int	The primary key of login identity of a user
2	UserLoginID	string	The login identity of a user

3	UserAccountName	string	The full name of user (Name and Surname)	
4	UserExpiryDate	dateTime	The expiry date of a user login identity	
5	UserSurname	string	The surname of user	
6	UserName	string	The name of user	
7	UserIDNO	string	The identity card number of a user	
8	UserStatus	string	Indicates status of user e.g. Active	
9	RecordsReturned	Int	The number of records returned	
10	Retval	int	Possible CDR adapter return Values:	
			Value	Description
			0	Successful Execution
			-1	Data Source Error
			-2	Malicious Input Error
			-3	Input Range Error
			-4	Active Directory Authentication Error
-9	Generic Error			

Output Data Information:

	+ve Sample	-ve Sample
No of Records Returned	1	0
Data Fields		
UserPK	30217	N/A
UserLoginID	smitj001	N/A
UserAccountName	SMITH JOHN	N/A
UserExpiryDate	2011-05-12 10:01:52.000	N/A
UserSurname	SMITH	N/A
UserName	JOHN	N/A
UserIDNO	1111111M	N/A
UserStatus	A	N/A
RecordsReturned	1	0
Retval	0	-1/-2/-3/-4/-9

04.4.6.2 Ws_CDR_UserAccount_ByPK Web Method Information

Description:

User account details are retrieved when primary key of a login identity of user is submitted to web method.

Input Parameters Description:

No.	Parameter Name	Type	Optional	Description
1	PK	int	No	The primary key of login identity of a user

Input Data Information:

Data Fields	Sample
PK	30217

Output Parameters Description:

No.	Parameter Name	Type	Description
1	UserPK	int	The primary key of login identity of a user
2	UserLoginID	string	The login identity of a user
3	UserAccountName	string	The full name of user (Name and Surname)

4	UserExpiryDate	<i>datetime</i>	The expiry date of a user login identity														
5	UserSurname	<i>string</i>	The surname of user														
6	UserName	<i>string</i>	The name of user														
7	UserIDNO	<i>string</i>	The identity card number of a user														
8	UserStatus	<i>string</i>	Indicates status of user e.g. Active														
9	RecordsReturned	<i>Int</i>	The number of records returned														
10	Retval	<i>int</i>	Possible CDR adapter return Values: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Successful Execution</td> </tr> <tr> <td>-1</td> <td>Data Source Error</td> </tr> <tr> <td>-2</td> <td>Malicious Input Error</td> </tr> <tr> <td>-3</td> <td>Input Range Error</td> </tr> <tr> <td>-4</td> <td>Active Directory Authentication Error</td> </tr> <tr> <td>-9</td> <td>Generic Error</td> </tr> </tbody> </table>	Value	Description	0	Successful Execution	-1	Data Source Error	-2	Malicious Input Error	-3	Input Range Error	-4	Active Directory Authentication Error	-9	Generic Error
Value	Description																
0	Successful Execution																
-1	Data Source Error																
-2	Malicious Input Error																
-3	Input Range Error																
-4	Active Directory Authentication Error																
-9	Generic Error																

Output Data Information:

	+ve Sample	-ve Sample
No of Records Returned	1	0
Data Fields		
UserPK	30217	N/A
UserLoginID	smitj001	N/A
UserAccountName	SMITH JOHN	N/A
UserExpiryDate	2011-05-12 10:01:52.000	N/A
UserSurname	SMITH	N/A
UserName	JOHN	N/A
UserIDNO	1111111M	N/A
UserStatus	A	N/A
RecordsReturned	1	N/A
Retval	0	-1/-2/-3/-4/-9

04.4.7 Medicinal

04.4.7.1 Ws_CDR_Medicinal_List Web Method Information

Description:

Full list of Medicinals

Input Parameters Description:

None

Input Data Information:

None

Output Parameters Description:

No.	Parameter Name	Type	Description
1	MedicinalPK	<i>int</i>	The primary key of a medicinal's record

2	MedicinalGPSNumber	string	GPS Number of a medicinal	
3	MedicinalMANumber	string	MA Number of a medicinal	
4	MedicinalBrandName	string	Brand Name	
5	MedicinalPharmaceuticalForm	string	Pharmaceutical Form	
6	MedicinalDosage	string	Dosage	
7	MedicinalActiveIngredient	string	Active Ingredient	
8	MedicinalMAHolder	string	MA Holder	
9	MedicinalCountry	string	Country	
10	MedicinalClass	string	Class	
11	MedicinalATC	string	ATC	
12	MedicinalIssueDate	string	Issue Date	
13	MedicinalStatus	string	The Record Status	
14	RecordsReturned	int	The number of records returned	
15	Retval	Int	Possible CDR adapter return Values:	
			Value	Description
			0	Successful Execution
			-1	Data Source Error
			-2	Malicious Input Error
			-3	Input Range Error
			-4	Active Directory Authentication Error
-9	Generic Error			

Output Data Information:

	+ve Sample	-ve Sample
No of Records Returned	>=1	0
Data Fields		
MedicinalPK	1	N/A
MedicinalGPSNumber	IPV001/1	N/A
MedicinalMANumber	MA001/00001	N/A
MedicinalBrandName		N/A
MedicinalPharmaceuticalForm	Solution for injection	N/A
MedicinalDosage		N/A
MedicinalActiveIngredient	Folic Acid 1mg	N/A
MedicinalMAHolder		N/A
MedicinalCountry	Malta	N/A
MedicinalClass	OTC	N/A
MedicinalATC	A01AA01	N/A
MedicinalIssueDate	30/08/2006	N/A
MedicinalStatus	A	N/A
RecordsReturned	0,1 or many	0
Retval	0	-1/-2/-3/-4/-9

05. What are my obligations?

05.1 Obligations

Business owners are responsible for how the CDR account they are granted is used. Attention should be taken to maintain and report any changes related to data categories required by the system or changes related to the business ownership of systems.

Special care should be given as to how personal data is used and to strictly abide to GDPR principles.

05.2 Compliance

A number of CDR web services are being compiled to wrap the already existing stored procedures/ views functionality. This approach is being adopted to ensure that solutions adopt a number of strategic technology principles being adopted by MITA. These principles mostly relate to abstraction, interoperability, loose coupling, cohesiveness and generality.

Any solution not using the CDR adapter will result in a failure to compliance.

Appendix A – Terms and Conditions
