



eClaimLink – MemberRegister

Phase 1 – MemberRegister Transaction

Technical Specifications
Version 1.0



Table of Contents

OVERVIEW	2
SCOPE	2
ABBREVIATIONS	2
HIGH LEVEL CYCLE	3
PHASE 1	3
BUSINESS PROCESS	3
DATA FLOW	4
PHASE 2	5
INVOLVED TRANSACTIONS	5
WEB SERVICE DOCUMENTATION	6
UPLOAD MEMBERREGISTER	6
WEB SERVICES RETURNED VALUES	9
MEMBER REGISTER INTEGRATION WEB SERVICES (WSDL)	9

Overview

Scope

As part of the eClaimLink solution, Dubai Health Authority (DHA) is aiming to correct detailed demographic and insurance related details about the insured population in the emirate of Dubai. PersonRegister is the current transaction facilitating the collection of this information from the Insurance companies (Payer) into the Dubai Health Post Office (DHPO).

A thorough analysis has been conducted on the available PersonRegister data, and a new transaction Schema, Business and Validation rules have been developed to collect the information in a more organized and comprehensive manner. MemberRegister is the name of the new transaction that will gradually replace the existing PersonRegister transaction within the eClaimLink solution.

MemberRegister project is planned to be implemented in two phases:

Phase 1 (current phase) will introduce the new transaction including all its schema, business and validation rules, web service specifications and timelines.

Phase 2 of the implementation will introduce new validation mechanisms performed in partnership with the General Directorate of Residency and Foreigners Affairs – Dubai (GDRFAD) to ensure that the MemberRegister records are in line across different government entities, and works ensuring the implementation of the mandatory Insurance Law No11 of 2013, which requires all Dubai residents to have medical insurance. More details about this phase will be provided in a separate document.

Abbreviations

Below is a list of the abbreviations used within this document:

Abbreviation	Description
DHA	Dubai Health Authority
DHPO	Dubai Health Post Office
GDRFAD	General Directorate of Residency and Foreigners Affairs Dubai
Payer	Healthcare Service Payer – (Insurance company)
Provider	Healthcare Service Provider – (Hospital, Clinic, Center, Pharmacy, Laboratory)
Receiver	Transaction receiver
Sender	Transaction sender
Member/Resident	Person carrying or intending to acquire a Dubai residency visa

High Level Cycle

Below is a diagram representing the high-level cycles covered by the GDRFAD – eClaimLink integration.

Phase 1

Payers will upload all their member information to the eClaimLink through the Member Register transactions. No validation with the GDRFA will occur; only eClaimLink Member Register schema validation will happen at phase 1.

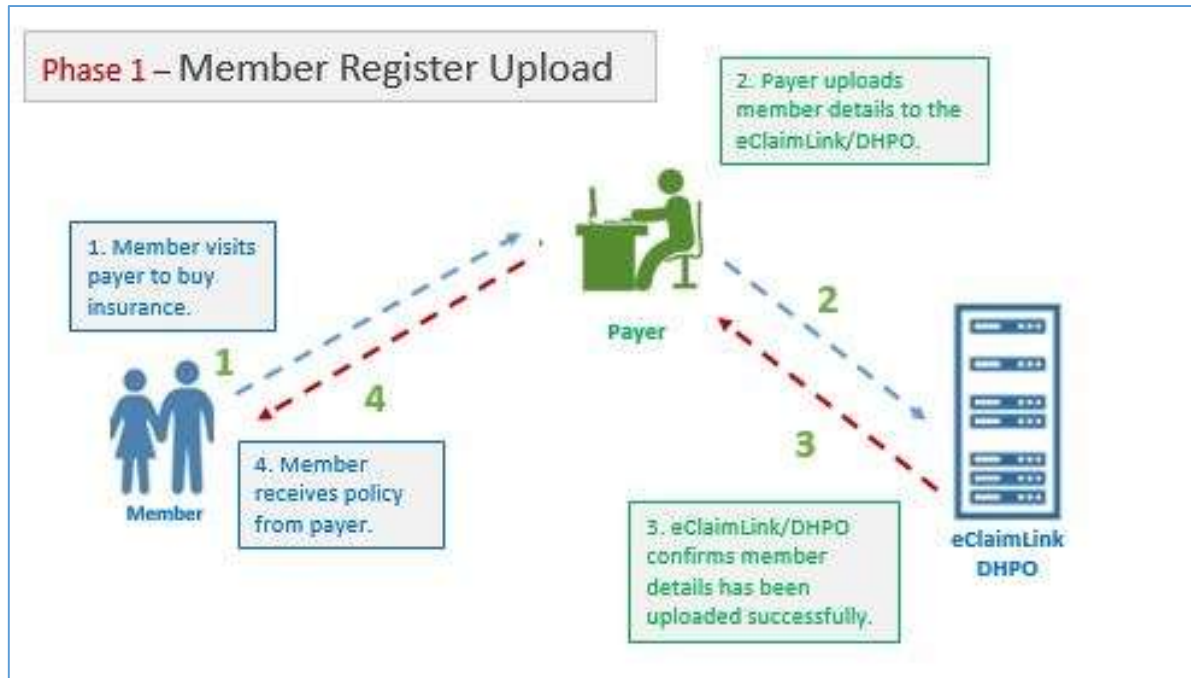


Figure 1 - MemberRegister high level business process

Business Process

1. Member visits the Payer to purchase an insurance policy.
2. Payer completes the insurance policy sale with the member.
3. Payer uploads the member details to the DHPO through the MemberRegister transaction.
4. DHPO performs a validation check based on the published business and validation rules. (Available on the eClaimLink website, eClaimLink > DHD > Documentation section > eClaimLink BRVR Release 2016-01-10)
 - If the file is valid, the DHPO will return a confirmation message of the successful upload.
 - If the file is invalid, the DHPO will return an error report detailing the cause of the error and the failed upload result.
5. DHPO returns a confirmation or error message to the Payer based on the validation checks.
6. Payer fixes the reported errors and ensures the successful upload of the MemberRegister transaction to the DHPO.

Data Flow

The below diagram shows the data flow between the Payer and the eClaimLink/DHPO systems as per the cycle and business process mentioned above.

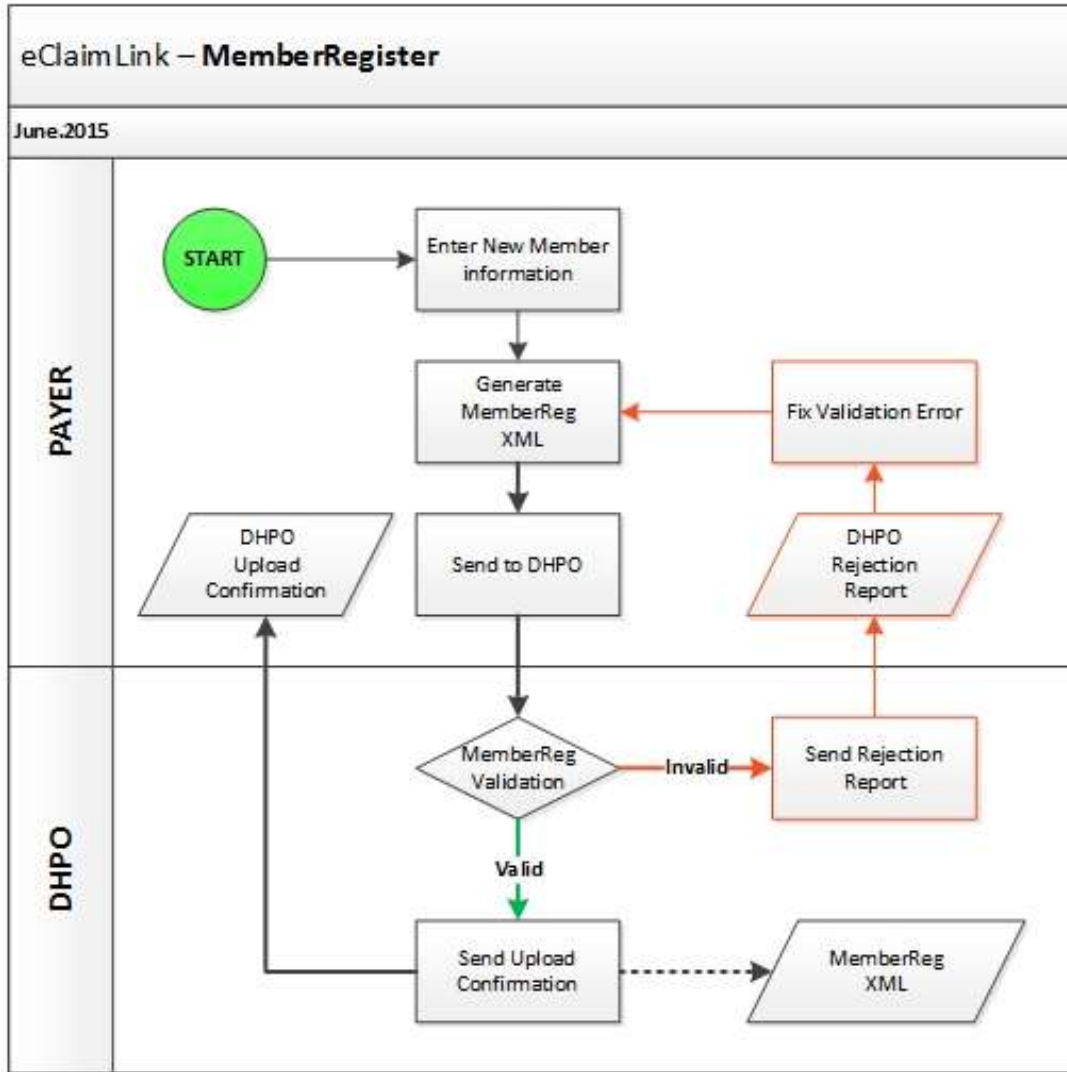


Figure 2 - MemberRegister transaction data flow diagram

Phase 2

Below is a diagram showing the full cycle after the implementation of phase 2 from the project. Member Register records for Dubai residency/visa holders will be validated against the GDRFA information.

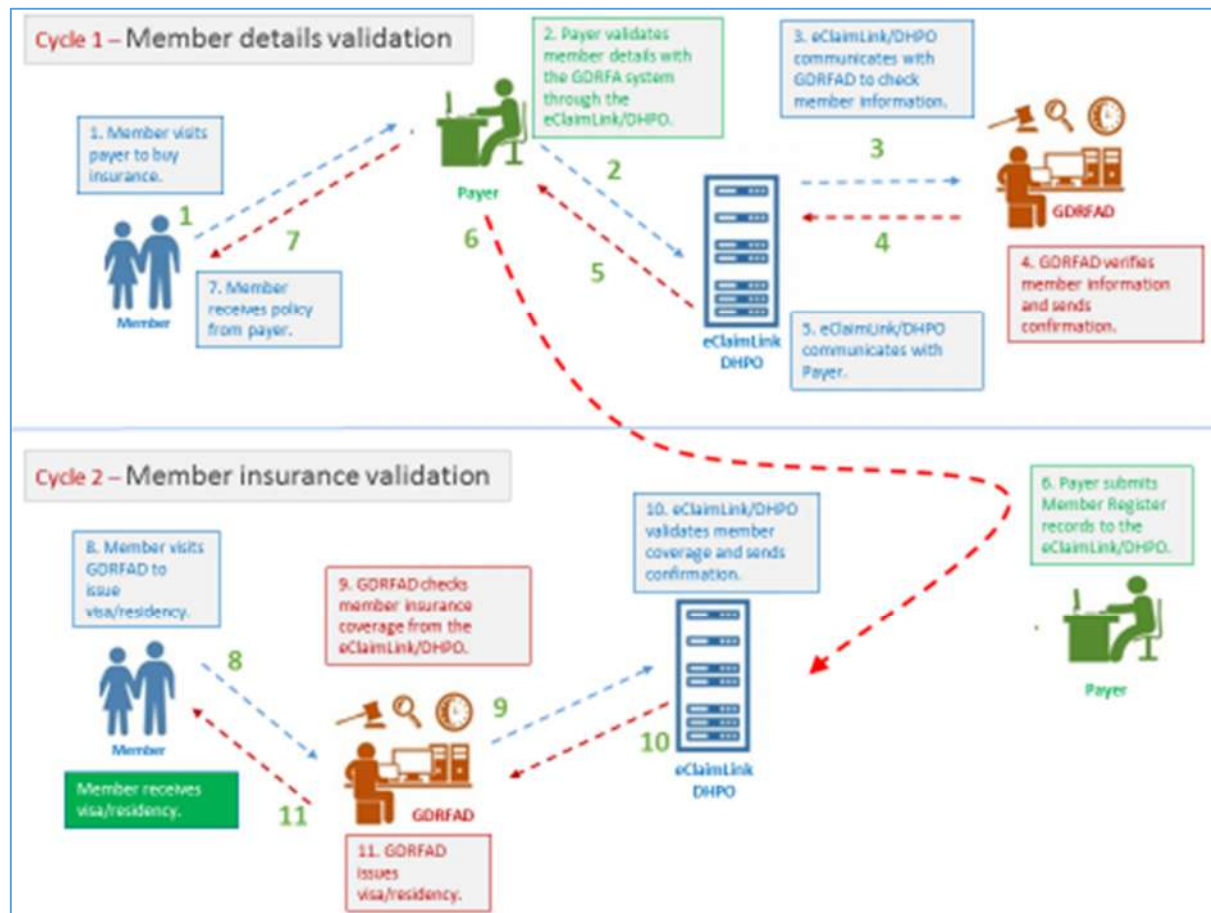


Figure 3- eClaimLink - GDRFA full integration cycle

Further details will be provided in a separate document for phase 2.

Involved transactions

The integration cycle consists of the transactions shown below:

Transaction	Description
Upload MemberRegister	Transaction utilized by the Payer to upload the insured member details as per the eClaimLink published transaction schema, business and validation rules.
Download MemberRegister	Transaction utilized by the payer to download a given MemberRegister file. Available with the Phase 2 implementation
ValidateMemberUID	Transaction submitted by the Payer to validate the member information from the GDRFAD through the DHPO. Available with the Phase 2 implementation

Web Service Documentation

Upload MemberRegister

- **Web service method:** **UploadMemberRegister**
- **Description:** Web service method used by the Payer to upload the member details through a MemberRegister file to the DHPO.
- **Signature:**

```
UploadMemberRegistrationResponse UploadMemberRegister (
    string Login,
    string Pwd,
    byte[] fileContent
)
```

Input element	Description
payerLogin	Payer user login name to connect to the DHPO
facilityPwd	Payer user password to connect to the DHPO
fileContent	Content of the file to be uploaded. Field restrictions: <ul style="list-style-type: none"> • 4 MB maximum size

Output object: output response will be an object containing the below elements	
Element	Description
Result	Result of the transaction; successful or failed.
FileID	Original file name; this file name will be used later to show users the available files for download
ErrorMessage	Output parameter that contains the transaction status: Error: error message if something goes wrong; web service can also send warnings using this parameter; the parameter may be null or empty string if the web service returns zero, otherwise the error message is expected Successful: empty
ErrorReport	Output parameter that contains byte array with the content of error report eventually generated by DHPO validation during file upload; the parameter may be null

- **Return value:** The web service may return values described in the section *Web Services Returned Values*.

Below is a list of the fields utilized during the upload of the Member Register file to the DHPO, by the payers.

No.	Element	Description	Mandatory
1	Header	Header element of the MemberRegister transaction	Yes
1.1	SenderID	ID of the facility sending the MemberRegister	Yes
1.2	ReceiverID	ID of the facility receiving the MemberRegister	Yes

1.3	TransactionDate	Date of the transaction Possible values: DD/MM/YYYY	Yes
1.4	RecordCount	Number of members within the MemberRegister request	Yes
1.5	DispositionFlag	To indicate the file type (TEST or PRODUCTION)	Yes
2	Person	Person element of the MemberRegister transaction	Yes
2.1	FirstName	Member's first name as spelled in the passport	Yes
2.2	SecondName	Member's second name as spelled in the passport	No
2.3	FamilyName	Member's family/last/surname name as spelled in the passport	Yes
2.4	ContactNumber	Member's primary mobile contact number	No
2.5	dateOfBirth	Member's date of birth (DD/MM/YYYY) - for those official documents that are missing the values please fill in the following format: - Contains Year only: 01-01-yyyy	Yes
2.6	Gender	Member's gender (1 = male, 0 = female, 9 = unknown)	Yes
2.7	Nationality	Member's nationality code as per the list published on the eClaimLink (GDRFA Nationalities)	Yes
2.8	PassportNumber	Member's passport number of the passport that has the UAE visa, or if not available, the National ID (for example GCC Nationals)	Yes
2.9	MaritalStatus	Member's current marital status (1 = unmarried, 2 = married)	Yes
2.10	Email	Member's personal email address	No
2.11	Emirate	The Emirate from which the member's visa/residency is issued from. (4=Dubai, 2=Abu Dhabi, 6=Ajman, 9=Fujairah, 7=Ras Al Khaimah, 1=Sharjah, 5=Umm Al Quwain, 10=UAE national, 11=Dubai national, 12=GCC national, 13=Diplomat)	Yes
2.12	ResidentialLocation	Member's actual place of residence. Use the corresponding 3-digit location code from the predefined DSC locations list published on eClaimLink DHD.	Yes
2.13	WorkLocation	Member's actual place of work. Use the corresponding 3-digit location code from the predefined DSC locations list published on eClaimLink DHD.	Yes
2.14	Salary	Member's salary bracket. (1 = less than 4000 AED/month, 2 = between 4001 AED and 12000 AED/month, 3 = more than 12000 AED/month, 4 = no salary; will be used for dependents or children that do not acquire a salary)	Yes
2.15	Commission	Member's salary is commission based? (1 = yes, 2 = no)	Yes
2.16	EmiratesIDNumber	Member's unique emirates ID number, when not available use: - 000-0000-0000000-0 for National without card - 111-1111-1111111-1 for Expatriate resident without a card - 333-3333-3333333-3 for NewBorn without a card	Yes

2.17	UIDNumber	Member's UID number as issued by the MOI. When not available (only for non-Dubai residency/visa holders), copy the member's passport number from the "PassportNumber" field.	Yes
3	Member	Member element of the MemberRegister transaction	Yes
3.1	ID	The patient's insurance member number, if the patient is claiming insurance. Otherwise, this field should be left empty.	Yes
3.2	Relation	Member's relation (Principal, spouse, child, parent or other)	Yes
3.3	RelationTo	The information about the MemberID of the principal member of the family. Member ID should be used if reported member is the principal beneficiary.	Yes
4	Contract	Contract element of the MemberRegister transaction	Yes
4.1	PayerID	The member's insurance DHA payer ID.	Yes
4.2	ProductOrigin	Product origin (2 = Abu Dhabi, 4 =Dubai)	Yes
4.3	ProductCode	ID of the insurance product as in the payer's literature	Yes
4.4	ProductID	ID granted by the eClaimLink to the registered product	yes
4.5	PolicyID	ID of the insurance policy as registered in the payer's system	Yes
4.6	TopUpPolicy	Any policy which provides benefits over and above the benefits provided under the main Dubai compliant policy. (1 = Top-Up Policy, 2 = Main Policy)	No
4.7	EnrollmentDate	The day (at 00.00 hours local time), month and year (dd/mm/yyyy) from which the Policy became effective for the Insured Member.	Yes
4.8	DeletionDate	The Expiry Date of the policy unless the member has been removed prior to the expiry of the policy, in which case, enter the day at 00:00hrs local time, month and year (dd/mm/yyyy) on which the insured member's coverage ceases as the result of his/her deletion at the request of the PolicyHolder.	Yes
4.9	GrossPremium	The amount in AED of the annualized premium payable for this insured member.	Yes
4.10	ActualPremium	The amount in AED of the premium payable for this insured member if charged on a pro-rata basis related to period of coverage. If not charged on a pro-rata basis, then enter same figure as for GrossPremium.	Yes
5	Establishment	Establishment element of the MemberRegister transaction	Yes
5.1	EntityType	This is the type of the sponsoring entity. 1 = Resident 2 = Citizen (i.e. UAE locals, GCC locals) 3 = Establishment 4 = Property Owner	Yes
5.2	EntityID	Official ID of the sponsoring entity	Yes
5.3	ContactNumber	The primary contact number of the policy holder	Yes

5.4	Email	The email address of the policy holder	Yes
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Web Services Returned Values

All DHPO Member Register services share the same return value, so that client application can implement one handler to process the result of web service execution and share it with all web service calls. The supported returned values are shown below:

Element	Description
UploadMemberRegister	
0	Success: Transaction uploaded successfully
-1	Login failed
-2	Transaction validation failed with errors
-4	Unexpected error occurred

Member Register Integration Web Services (WSDL)

GDRFA – eClaimLink integration web services link

<https://mr.eclaimlink.ae/MemberRegistration.svc?wsdl>

Testing web service link:

<http://qa.dimensions-healthcare.net/MemberRegistration/MemberRegistration.svc?wsdl>

Each payer can utilize their own credentials for testing runs.