Interoperability Framework for Personal Domain

(Version 3.0)

Information & Communication Technology Agency of Sri Lanka

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1. INTRODUCTION:

Lanka Interoperability Framework (LIFe) is a set of open standards to ensure the interoperability in government information systems. Interoperability is the ability of diverse information systems from various organizations to seamlessly work together. Interoperability is the highest degree of operability.

The ultimate goal of eGovernment is to enable each government organization to become a one-stop-shop and provide all government services through a single window. In order to achieve this goal, it is required to create a connected government where all the government organizations are electronically and process wise connected. For an integrated government to effectively operate and provide one-stop-shop services, it requires government organization to share and exchange information across systems. This requires understanding on sharing common objectives of the government organizations across organizational boundaries and collectively working towards setting up of common standards.

This also requires government organizations to develop interoperability mechanisms for exchange data between their information systems. LIFe focuses on ensuring that interfaces between various information systems which are developed by government organizations are completely understood and they achieve both syntactic and semantic interoperability.

Identifying and setting up of interoperability standards is a collaborative and open process. National Administrative Reforms Council (NARC) and Ministry of Public Administration and Home Affairs (MPA&HA) have given the policy level leadership for developing interoperability standards.

ICTA has been able to finalize the interoperability standards for following four domains so far.

1. Personal Domain
2. Project Coordination Domain
3. Land Domain
4. Vehicle Domain

For achieving the task of completing Lanka Interoperability Framework (LIFe) standards for Personal Domain, MPA&HA played a key role by giving the policy level leadership. ICTA specially wishes to thank Mr. D. Dissanayake, former Secretary to the MPA&HA for the trail blazing role he played in guiding the policy and operational teams in finalizing the standards and also Mr. P.B. Abeykoon, the present Secretary to MPA&HA for his guidance .

LIFe on 'Personal Domain' is one of the key areas which Government needs to standardize to ensure the seamless integration of eGovernment systems. This new version (version 3.0) describes the latest definitions of the LIFe and has endeavoured to address the issues encountered in system implementation.

In defining the standards of this 'Personal' domain, the coverage is limited to the boundary as specified in the Section 2 below and is termed as **'Initial-Personal Information Domain'**. Section 3-6 covers the processes and methodology adopted in defining standards. Annexes 1-6 provide all technical standards and information. Annexure 3 provides the details of data elements with the agreed formats.

2. BOUNDARIES OF THE DOMAIN

From the point of initial creation of Personal Information at the time an individual is born or arrival in the country up to keeping the initial information up-to-date during the life of the individual and to record his death.

3. PURPOSE STATEMENT

The information within *Initial Personal Information* domain has a major impact on the transaction that is done by any individual in the country. The data within this domain is shared among many stakeholders. The purpose of defining standards for this domain was identified as:

- To verify the identity of an individual
- To enable communication with the individual.

4. THE POLICY INTEROPERABILITY TEAM COMPOSITION:

Institution	Position
Ministry oh Public Administration & Home Affairs	Secretary
Registrar General's Department	Registrar General
Registration of Persons Department	Commissioner General
Department of Pensions	Director General
Central Bank of Sri Lanka	Governor
Department of Motor Traffic	Commissioner General
Department of Immigration and Emigration	Controller General
Department of Examinations	Commissioner General
Postal Department	Post Master General
Department of Police	Inspector General
Department of Census and Statistics	Director General
Department of Labour	Commissioner General
Department of Elections	Commissioner

Table 1: Interoperability Policy Team

5. **THE OPERATIONAL INTEROPERABILITY TEAM COMPOSITION:**

Institution	Name	Position
Registrar General's Department	Wasantha Sandiligama	Assistant Registrar General
Registrar General's Department	Budddhipani Perera	Additional District Registrar
Registration of Persons Department	Ranjan Nishantha	Enforcement Officer
Department of Pensions	Pradeep Gunawardane	Deputy Director
Department of Motor Traffic	Samanthi Senanayake	Assistant Commissioner (IT)
Department of Immigration and Emigration	Parakrama Jayawardene	Asst Controller
Department of Examinations	KMH Bandara	Commissioner of Examinations (IT)
Postal Department	Thusitha Hulangamuwa	Asst. Superintendent
Department of Census and Statistics	SAS Bandulasena	Deputy Director (DP)
Department of Local Government (WP)	Bandula Ranathunga	IT Officer

Table 2: Interoperability Operational Team

6. **METHODOLOGY ADOPTED**

Stage 1: Initiation

   a. Presentation of the proposed Government Interoperability Framework.
   b. Ensure the stakeholders appreciate the advantages of re-defining the interoperability Framework for the proposed domain.
   c. Obtaining the approval to re-convene the Policy Committee.

Stage 2: Setting-up Policy Team and Agreeing on the Domain Parameters

   a. Under the leadership of the ICTA, identify the various stakeholders involved within the proposed domain.
   b. Identify a Policy Team from among the identified stakeholders.

Stage 3: Briefing the Policy Team and Agreeing on the Domain Parameters

   a. At the initial meeting of the Policy Team was briefed on the background for modifying the current Interoperability Framework and how it would operate in the longer term.
   b. With the assistance of the Policy Team the members for the Operational Team was identified.

Stage 4: Detailed Action by the Operational Team

a. At the initial meeting of the Operational Team; the members were briefed on the concepts of the new Interoperability Framework.

b. Together with the Operational Team the Domain Name, Boundaries of the Domain and the Purpose of the domain were finalized.

c. The following Data Categories were identified;

    i. **Relatively Fixed:** Citizen ID, Registered Name, Gender, Ethnicity, Citizenship & Religion (Not Needed to be included)..

    ii. **Changing:** Title, Preferred Name, Civil Status, Address and Contact Details

    iii. **Life Events:** Date of Birth & Date of Death.

    iv. **Foreign:** Information related to foreign nationals in Sri Lanka

d. The data elements for each category were identified as shown above.

e. Data elements that did not fall within the boundary were decided to be dropped from the domain. (**Note:** This does not mean that the relevant systems do not capture this information).

f. Develop the 'Data Category Life Cycle Matrix'. (**Note:** This step will identify the Life Cycle of the information and different stakeholders affecting the Data Category).

g. Identify the 'Data Elements' that is required to be shared with other stakeholders. (**Note:** This step will only identify data elements that are shared with other stakeholders).

h. Define the High Level Data Flow Diagram.

Stage 5: Define the Pseudo Technical Standards & Interoperability Standards for each Data Element.

Stage 6: To receive the acceptance of the Policy Team and publish information on the Web.

In case of disagreements by the Policy Team on data sharing standards, go back to Stage 4 where the operational team will revisit the relevant areas and present the amended framework if necessary to the expert group and then to the Policy Team.

Annexure 1 - Data Categories and their Boundaries

☐ **Relatively Fixed Information:**

- All information and data pertaining to an individual that was initially created at the time of birth.

☐ **Changing Information:**

- All information that was created at the time of birth but changes regularly during the life of an individual.

☐ **Life-events Related Information:**

- All information relating to major life events of the individual.

☐ **Foreign Individual Related Information:**

- All information relating to individuals arriving in the country as foreigners.

Annexure 2 - Data Category Life Cycle Matrix

2.1: Relatively Fixed Personal Data (Citizen ID, Name, Gender, Ethnicity, Citizenship).

Creator	Owner
• Registrar	• Registrar Generals Department (RGD)
User	**Keepers & sharers**
• All Government Organizations • Private Sector Organizations	• Registration of Persons Department • Pensions Department • Motor Traffic Department • Ministry of Public Administration • Banks • Telecommunication Companies
Modifiers	**Delete Data**
• Registrar Generals Department (RGD)	• Registrar Generals Department (RGD)

2.2: Changing Personal Data – (Title, Preferred Name, Civil Status, Address and Contact Details).

Creator	Owner
• Hospital • Registrar	• Registrar Generals Department (RGD)
User	Keepers & sharers
• All Government Organizations • Private Sector Organizations	• Registration of Persons Department • Pensions Department • Motor Traffic Department • Ministry of Public Administration • Banks • Telecommunication Companies
Modifiers	Delete Data
• Registrar Generals Department (RGD) • Pensions Department • Motor Traffic Department • Ministry of Public Administration • Banks • Telecommunication Companies	• Registrar Generals Department (RGD)

2.3: Life Events Personal Data – (Date of Birth, Date of Death, etc.).

Creator	Owner
• Hospital • Registrar	• Registrar Generals Department (RGD)
User	**Keepers & sharers**
• All Government Organizations • Private Sector Organizations	• Registration of Persons Department • Pensions Department • Motor Traffic Department • Ministry of Public Administration • Banks • Telecommunication Companies
Modifiers	**Delete Data**
• Registrar Generals Department (RGD) • Pensions Department • Motor Traffic Department • Ministry of Public Administration • Banks • Telecommunication Companies	• Registrar Generals Department (RGD)

2.4: Foreigner Entry Information.

Creator	Owner
• Department of Immigration & Emigration	• Department of Immigration & Emigration
User	**Keepers & sharers**
• Government Organizations • Private Sector Organizations • Non-Government Organizations • Police Department	• Motor Traffic Department • Other Ministries and Government Depts. • Banks • Telecommunication Companies
Modifiers	**Delete Data**
• Department of Immigration & Emigration	• Department of Immigration & Emigration

Annexure 3 - Data Elements

3.1: Sri Lanka Identity Number (SLIN)

Label	Description
Name	Sri_Lankan_ID_Number (SLIN)
Definition	Sri Lankan National Identity Number. In future, the National Identity Number will be issued at birth to everyone. Therefore every citizen of Sri Lanka will have a unique Citizen ID number.
Format	NN/NN/NNN/NNNN/C First 4 digits (year), Next 3 digits (date + gender), Next 4 digits (serial number), Next digit (check digit).
Example	19/60/147/0009/8
Validation	Length has to be 12 characters. Only numeric values can be entered. No alphabetical characters or any other special characters allowed including blank spaces. Optional Validations Validation of the number would be done with the date of birth gender as well as a check digit.
Values	-
Default	-
Comments	-
Date	April 2010
Version	V0.10
Type	Relatively Fixed

3.2: Title

Label	Description
Name	Personal_Title
Definition	Title as used by the person
Format	Character String
Example	Baby, Mr., Master, Miss. Mrs., Ms., Most Venerable, Venerable. Revered Priest, Revered Swamy, Most Rev., Rev., Ash-Shaikh, Mawlavi, etc.
Validation	Can be blank.
Values	-
Default	-
Comments	-
Date	April 2010
Version	V0.10
Type	Changing

3.3: Full Name (Registered)

Label	Description
Name	Full_Name-Registered
Definition	The Full Name as written by the person.
Format	No restriction on the Length
Example	The person's full name is represented as Warnakulasuriyalage Kumarasena Dhanapala Cyril Nanayakkara.
Validation	No restriction on the length Can only have alphabetical characters and dot/period.
Values	--
Default	-
Comments	-
Date	April 2010
Version	V0.10
Type	Relatively Fixed

3.4: Used Name

Label	Description
Name	Personal_Used_Name
Definition	The Name as used in communication by the person.
Format	No restriction on the Length
Example	The person's full name is represented as Warnakulasuriyalage Cyril Nanayakkara.
Validation	No restriction on the length Can only have alphabetical characters and dot/period.
Values	--
Default	-
Comments	Cannot be validated and no official owner.
Date	April 2010
Version	V0.10
Type	Relatively Fixed

3.5: Gender

Label	Description
Name	Gender
Definition	Gender or sex of a person.
Format	1 Alphabetical character.
Example	
Validation	Cannot be blank. Max length is 1.
Values	M - Male F - Female
Default	-
Comments	-
Date	October 2010
Version	V0.10
Type	Relatively Fixed

3.6: Civil Status

Label	Description
Name	Personal_Civil_Status
Definition	Civil status of a person.
Format	Character String
Example	Single, Married, Widowed, Divorced, Separated, Customary Married. (Values to be provided by the RGD).
Validation	Cannot be blank.
Values	-
Default	-
Comments	April 2010
Date	V0.10
Version	Personal_Civil_Status
Type	Changing

3.7(a): Religion

Religion

The Operational Team concluded the Data Attribute – **Religion** was not required as a field for interoperability – as it was not being validated at any stage within the process. Any organization that requires the Religion will be required to capture the information independently.

3.7(b): Ethnicity

Ethnicity

The Operational Team concluded the Data Attribute – Ethnicity was not required as a field for interoperability – as it was not being validated at the initial stage within the process. Any organization that requires the Ethnicity will be required to capture the information independently.

3.8: Preferred Language

Label	Description
Name	Personal_Preferred_Language
Definition	Preferred language for Communication:
Format	2 Alphabetic character
Example	
Validation	Cannot be blank. Max length is 2.
Values	SI – Sinhala TA – Tamil EN – English
Default	-
Comments	-
Date	April 2010
Version	V0.10
Type	Changing

3.9: Citizenship

Label	Description
Name	Personal_Citizenship
Definition	Nationality of the Person:
Format	Character String
Example	
Validation	Cannot be blank.
Values	Sri Lanka United States of America (Complete list to be provided by Immigration Dept).
Default	Sri Lanka
Comments	-
Date	June 2010
Version	V0.10
Type	Relatively Fixed

3.10(a): Address Line - 1

Label	Description
Name	Address_Line_1
Definition	To identify the individuals preferred location for communication on a permanent basis. This will always be used in conjunction with 'Address Line 2', 'City', 'Postal Code' and 'Country'.
Format	Character String
Example	
Validation	Cannot be blank.
Values	
Default	-
Comments	The individual will be responsible to provide the accurate information with regards to the Address he is using.
Date	April 2010
Version	V0.10
Type	Changing

3.10(b): Address Line - 2

Label	Description
Name	Personal_Address_Line_2
Definition	To identify the individuals preferred location for communication on a permanent basis. This will always be used in conjunction with 'Address Line 1', 'City', 'Postal Code' and 'Country'.
Format	Character String
Example	
Validation	Can be blank.
Values	
Default	-
Comments	The second line of the Address (**Note:** This line could be used when additional information has to be provided in 'Address Line 1')
Date	April 2010
Version	V0.10
Type	Changing

3.10(C): Delivery Post Office

Label	Description
Name	Personal_Delivery_Post_Office
Definition	To identify the individuals preferred location or Postal Office for communication on a permanent basis. This will always be used in conjunction with 'Address Line 1', 'Address Line 2', 'Postal Code' and 'Country'.
Format	Character String
Example	
Validation	Cannot be blank.
Values	(values to be provided by postal department)
Default	-
Comments	The third line of the Address and will identify the city or the Post Office relevant to the location.
Date	April 2010
Version	V0.10
Type	Changing

3.10(d): Postal Code

Label	Description
Name	Personal_Address_Postal_Code
Definition	To identify the individuals preferred location for communication on a permanent basis. This will always be used in conjunction with 'Address Line 1', 'Address Line 2', 'City' and 'Country'.
Format	5 Numeric Characters
Example	
Validation	Cannot be blank.
Values	Havelock Town – 00500
Default	-
Comments	The individual will be responsible to provide the accurate information with regards to the Postal Code.
Date	April 2010
Version	V0.10
Type	Changing

3.10(e): Country

Label	Description
Name	Personal_Address_Country
Definition	The international standard country name.
Format	Character String
Example	Sri Lanka India
Validation	Blank would imply – Sri Lanka
Values	
Default	Sri Lanka
Comments	(http://www.iso.ch/iso/en/prods-services/iso3166ma/02iso-3166-code-lists/list-en1.html)
Date	April 2010
Version	V0.10
Type	Changing

The address attributes were modified as follows:

Data Element	Remarks	Data Type	Sample Information
Personal_Address_Line_1		Character String	
Personal_Address_Line_2	Optional	Character String	
Personal_Delivery_Post_Office		Character String	
Personal_Address_Postal_Code		Character String	
Personal_Address_Country	Default – Sri Lanka	Character String	

3.11: Contact Details

Label	Description
Name	Contact_Details
Definition	Indicates what type of contact details and Related Value: {Type, Value}
Format	Array {Character String, Character String}
Example	{Phone, Residence, +94112345729) {email, Official, mendis@sri_lanka.com
Validation	
Values	Type: Phone, Mobile, email, URL. Value:
Default	-
Comments	Type will be used in conjunction with a Phone or e-Mail contact
Date	April 2010
Version	V0.10
Type	Changing

Data Element	Remarks	Data Type	Sample Information
Personal_Land_Phone_1	Preferred	Character String	+94-112-843236
Personal_Land _Phone_2	Alternate	Character String	+94-112-865289
Personal_Mobile_Phone		Character String	+94-714-486246
Personal_email_1	Preferred	Character String	abc@pqr.com
Personal_email_2	Alternate	Character String	dbf@mlp.lk
Personal_web_address		Character String	www.me.com

3.12: Date of Birth

Label	Description
Name	Personal_Date_of_Birth
Definition	Date of the Birth of a Person as Registered with the RGD Date in ISO date format (ISO 8601)
Format	YYYY-MM-DD
Example	05th June 2005 -> 2005-06-05
Validation	Must be in ISO date format
Values	-
Default	-
Comments	-
Date	October 2005
Version	V0.9
Type	Life Events

3.13: Date of Death

Label	Description
Name	Personal_Date_of_Death
Definition	Date of the Death of a Person as Registered with the RGD Date in ISO date format (ISO 8601)
Format	YYYY-MM-DD
Example	05th June 2005 -> 2005-06-05
Validation	Must be in ISO date format
Values	-
Default	-
Comments	-
Date	October 2005
Version	V0.9
Type	Life Events

3.14: Travel Document Number

Label	Description
Name	Travel_Document_Number
Definition	The Travel Document on which the Individual has entered the country.
Format	Character String
Example	D 2345672
Validation	None
Values	-
Default	-
Comments	-
Date	June 2010
Version	V1.0
Type	Foreign

3.15: Travel Document Issue Country

Label	Description
Name	Travel_Doc_Issue_Country
Definition	The Country Travel Document on which the Individual has entered the country.
Format	String
Example	List of Countries Si Lanka United States of America
Validation	None
Values	-
Default	-
Comments	-
Date	June 2010
Version	V1.0
Type	Foreign

3.16: Visa Reference Number

Label	Description
Name	Visa_Referene_Number
Definition	The current Visa reference number permitting the individual to stay in Sri Lanka.
Format	String
Example	
Validation	None
Values	-
Default	-
Comments	-
Date	June 2010
Version	V1.0
Type	Foreign

3.17: Visa Category

Label	Description
Name	Visa_Category
Definition	The current category of Visa permitting the individual to stay in Sri Lanka.
Format	String
Example	
Validation	None
Values	Visit or Resident
Default	-
Comments	-
Date	June 2010
Version	V1.0
Type	Foreign

3.18: Visa Expiry Date

Label	Description
Name	Visa_Expiry_Date
Definition	Date of the Death of a Person as Registered with the RGD Date in ISO date format (ISO 8601)
Format	The date of expiry of the current Visa.
Example	YYYY-MM-DD
Validation	05th June 2005 -> 2005-06-05
Values	Must be in ISO date format
Default	-
Comments	-
Date	-
Version	June 2010
Type	Foreign

3.19: Permission for Work
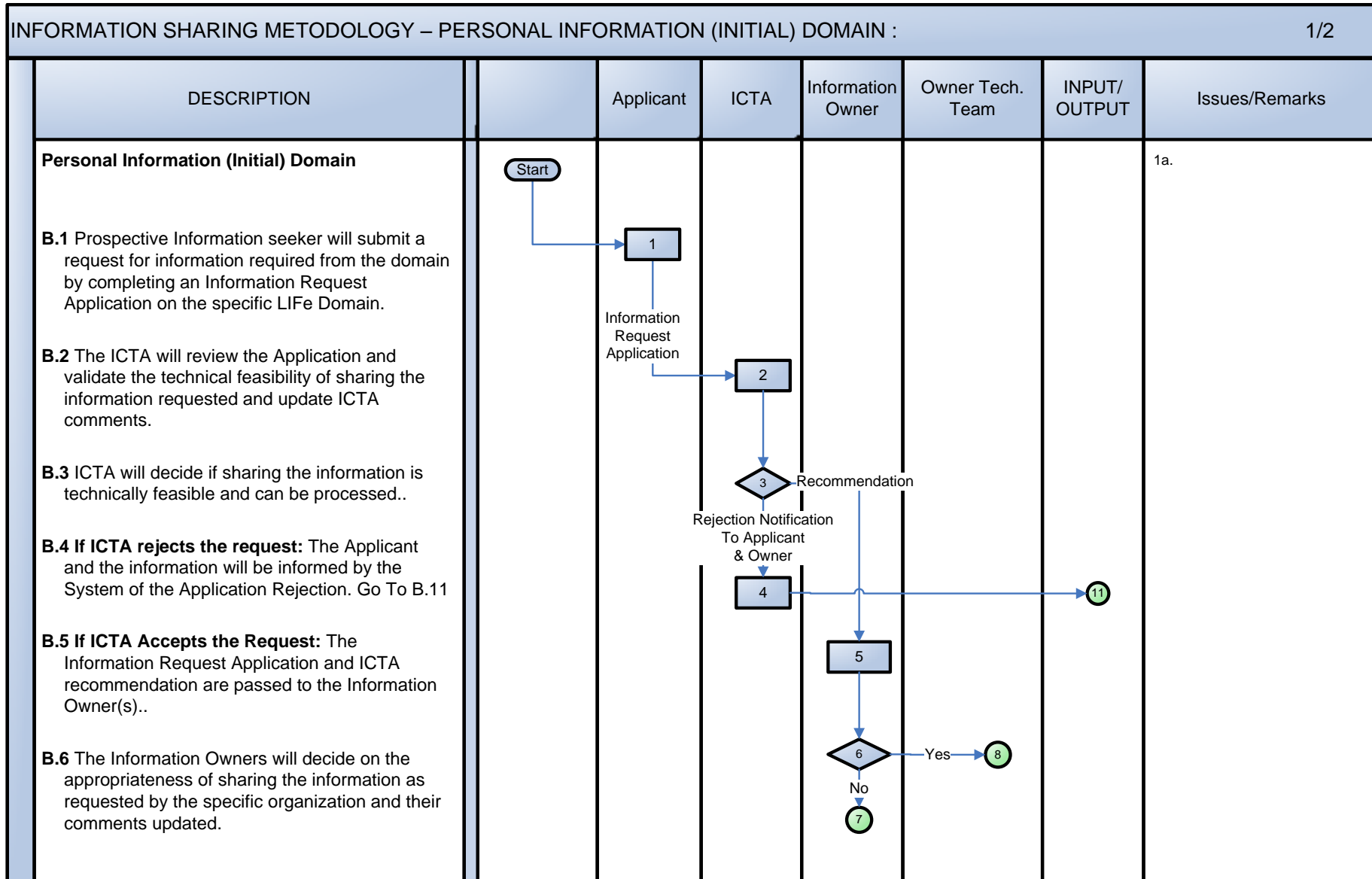
Label	Description
Name	Work_Permitted
Definition	Defines if the individual is permitted to work within in Sri Lanka on the current Visa.
Format	Character String
Example	
Validation	None
Values	Yes or No
Default	No
Comments	-
Date	June 2010
Version	V1.0
Type	Foreign

Annexure 4 - High Level Data Flow Diagram for the Domain

HIGH LEVEL FLOW PROCESS – FOR PERSONAL DOMAIN (INITIAL INFORMATION)		:	1/1

DESCRIPTION		Hospital	RGD	Information Modifier		INPUT/ OUTPUT	Issues/Remarks

Personal Domain (Initial Information)

A.1 Creation of Initial Personal Information at the point of birth by the Hospital.

A.2 Update Initial Personal Information received from Hospital and other information to be registered related to the individual on the RGD System.

A.3 Sharing the information with the Information Keepers/Modifiers.

A.4 Authorized Data Modifier will update their system with modified information.

A.5 The modified data is updated on the RGD System on a regular basis.

A.6 Has the death of an Individual been Registered.

A.7 If Yes, RGD System is updated with the details of the death – and no further updated to changing information is permitted. Go To A9.

A.8 If Not, Go To A3.

A.9 End

Start

1

Hospital Information

2 — Individual Information → RGD System

3

4 ← Individual Information

8

5 — Modified Personal Information

No — 6

Yes

7

End

1a.

DESCRIPTION		Hospital	RGD/ Immigration	Information Modifier		INPUT/ OUTPUT	Issues/Remarks

Personal Domain (Initial Information - Foreign)

A1.1 Creation of Initial Personal Information at the point of entry into the country.

A1.2 Update Initial Personal Information received into the Immigration System.

A1.3 Sharing the information with the Information Keepers/Modifiers.

A1.4 Authorized Data Modifier will update their system with modified information.

A1.5 The modified data is updated on the Immigration System on a regular basis.

A1.6 Has the death of an Individual been Registered.

A1.7 If Yes, Immigration System is updated with the details of the death – and no further updated to changing information is permitted. Go To A9.

A1.8 If Not, Go To A3.

A1.9 End

Flowchart elements:

- Start
- 1
- Boarder Information
- 2 — Individual Information (Foreign) — Immgn. System
- 3
- 4
- 8
- 5 — Modified Personal Information (Foreign)
- 6 (decision) — No / Yes
- 7
- End

Issues/Remarks: 1a.

Annexure 5 - Information Sharing Methodology

DESCRIPTION		Applicant	ICTA	Information Owner	Owner Tech. Team	INPUT/ OUTPUT	Issues/Remarks
Personal Information (Initial) Domain **B.1** Prospective Information seeker will submit a request for information required from the domain by completing an Information Request Application on the specific LIFe Domain. **B.2** The ICTA will review the Application and validate the technical feasibility of sharing the information requested and update ICTA comments. **B.3** ICTA will decide if sharing the information is technically feasible and can be processed.. **B.4 If ICTA rejects the request:** The Applicant and the information will be informed by the System of the Application Rejection. Go To B.11 **B.5 If ICTA Accepts the Request:** The Information Request Application and ICTA recommendation are passed to the Information Owner(s).. **B.6** The Information Owners will decide on the appropriateness of sharing the information as requested by the specific organization and their comments updated.							1a.

Start → 1 → Information Request Application → 2 → 3 Recommendation → Rejection Notification To Applicant & Owner → 4 → 11; 3 → 5 → 6 → Yes → 8; 6 → No → 7

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DESCRIPTION		Applicant	ICTA	Information Owner	Owner Tech. Team	INPUT/ OUTPUT	Issues/Remarks

Personal Information (Initial) Domain

B.7 If the Owner does NOT accept application: The Applicant and ICTA will be informed by the System of the Application Rejection. Go To B.11

B.8 If the Owner accepts application: The Applicant and ICTA will be informed by the System of the Application Acceptance.

B.9 The Applicant will sign a 'Sharing of Information Agreement' with the owner confirming the terms and conditions for sharing the Information.

B.10 Based on the information in the 'Sharing of Information Agreement' the technical staff of the Owner will open the required web service to share the information with the Applicant.

B.11 End

Issues/Remarks: 1a.

Flowchart labels: 4, 6, Reject, 7, Accept, 8, Agreement, 9, Information Sharing Details, 10, Rejection Notice to Applicant & ICTA, Rejection Notice to Applicant & ICTA, End

Annexure 5(a) - Sample Request for Information:

1. Domain Name from which the data is being requested.

2. Name & Contact details of the Organization requesting for the data.

3. Contact Person and Details responsible for this initiative. (Name, Designation, Telephone (multiple), e-Mail).

4. Purpose for which the data is requested.

5. Listing of the Specific Data elements that are required.

6. (1) Confirmation by the applicant that he will abide by the following (Information Users):

   a. That he will not store the information in either hard or soft format

   b. That he will not modify the data in any manner.

   c. That the data will be used only for the purpose specified.

   d. The data will not be shared with any other party (unless as specified in the 5)

   e. Willingness to make a payment for the data received.

   (2) Confirmation by the applicant that he will abide by the following (Information Keepers):

   a. That he will be stored and used in a secure manner.

   b. The permission to download the data on a regular basis.

   c. That data will be modified only upon the receipt of specific identified documents.

   d. That the data will be used only for the purpose specified.

   e. The data will not be shared with any other party (unless as specified in the 5)

   f. All changes made to the information in the domain shall be shared with the owner on a regular basis.

   g. Willingness to make a payment for the data received.

7. Signature of the Applicant certifying the above information.

8. Date of Request.

Annexure 5(b) - Areas to be Addressed in the Agreement:

1. The purpose for which the data is being requested.

2. The responsibility of the organization to protect the data received.

3. Not to use the data for any other purpose.

4. Not to share the data with any other person or entity.

5. Not to use the data for any other purpose than that agreed.

6. The payment mechanism for the data.

7. Exit clause – how the agreement could be cancelled for breach of the above or by notice without any damages.

8. No warranty for the accuracy of the data and any consequential loss.

Annexure 6 - Information Modification Methodology:

Step 1: All Modifiers of information (who are not the owners of information) are required to open a Web Service to share any information modified within the information owner. (**Note:** Until the Web Services are adequately developed – the Modifier should implement a process that ensures the modified information is informed to the Information Owner).

Step 2: The Owner of the Information – should have the systems developed to accept the modified information and update the date base. (**Note:** Until the updating of the modified information is automated the Information Owner a process that ensures the modified information is updated on the data base of the Information Owner – should also be implemented).