Annex 1.A Software Requirement Specification

eServices for Department of Commerce

Information and Communication Technology Agency of Sri Lanka

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Table of Contents

1	Introdu	uction	7
2	Requir	rement Specification	
2.1	Proces	ss Overview	8
	2.1.1	Process description	
2.2	eServi	ices for Exporter (Citizen Application)	9
	2.2.1 C	Sitizen Application Login & Dashboard	9
	2.2.1 A	apply/Re-apply for Certificate of Origin	13
	2.2.2	Request Copies of Certificate of Origin	
2.3	eServi	ices for the Department (Department Application)	19
	2.3.1	Department Application Login & Dashboard	19
	2.3.2	Exporter Registration	23
	2.3.3	Manage Exporters	25
	2.3.4	Record Cost Statement/ Affidavit	28
	2.3.5	Manage COOs	30
	2.3.6	Print COO	37
	2.3.8	Annual Quota Allocation	38
	2.3.9	Daily Transaction Report	40
	2.3.10	Exports/ FTA Statistics Report	•
2.4	Non F	unctional Requirements	44
3	Functio	on Point Analysis	45
3.1	Summ		45
3.2	Detail	Function Point Calculation	46
	3.2.1	Unadjusted Function Point Count	46
	3.2.2	Internal Logical Files (ILFs)	47
	3.2.3	External Interface Files (EIFs)	47
	3.2.4	External Inputs (EIs)	48
	3.2.5	External Outputs (EOs)	49
	3.2.6	External Queries (EQs)	49
	3.2.7	Value Adjustment Factor (VAF)	50
4	e-Servi	ices Implementation Plan	51
5	Operat	tional and Back Office Support Requirements from DoC and ICTA	52
6	Accepta	ance Criteria for Deliverables	53
7	Sign of	f	54

Table of Figures

Piccona - Proceeding Lordon	
Figure 2: Exporter Login	10
Figure 3: Reset Password	
Figure 4: Change Password	
Figure 5: Exporter Home Page	
Figure 6: Certificate of Origin Application	15
Figure 7: Payment Confirmation	15
Figure 8: Online Payment Receipt	15
Figure 9 : Request COO Copies	18
Figure 10: Department Login	20
Figure 11: Department User - Forgot Password	20
Figure 12: Department User Change Password	21
Figure 13: Department Home Page	21
Figure 14: Exporter Registration Form	24
Figure 15: Manage Exporters	26
Figure 16: Login Credentials Slip	26
Figure 17 : Record Cost Statement/ Affidavit	29
Figure 18 : Manage COOs	34
Figure 20: Action History -Popup	35
Figure 21: Print COO Confirmation	35
Figure 22: Action Comments - Popup	35
Figure 23 : Annual Quota Allocation	39
Figure 24 : Daily Transaction Report	41
Figure 25 : Exports/ FTA Statistics Report	43
	E1
Figure 26 : eService Implementation Plan	91
Table of Tables	
Table of Tables Table 1 : DoC eService Summary	7
Table of Tables Table 1: DoC eService Summary Table 2: Data Fields of Exporter Login	7 12
Table of Tables Table 1: DoC eService Summary Table 2: Data Fields of Exporter Login Table 3: Data Fields of Certificate of Origin Application	7 12 16
Table of Tables Table 1: DoC eService Summary Table 2: Data Fields of Exporter Login Table 3: Data Fields of Certificate of Origin Application Table 4: Data Fields for Request for COO Copies	
Table of Tables Table 1: DoC eService Summary	7 12 16 18
Table of Tables Table 1: DoC eService Summary	
Table of Tables Table 1: DoC eService Summary	
Table of Tables Table 1: DoC eService Summary	
Table of Tables Table 1: DoC eService Summary	
Table of Tables Table 1: DoC eService Summary	
Table of Tables Table 1: DoC eService Summary	
Table of Tables Table 1: DoC eService Summary	
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Table 1: DoC eService Summary	
Table of Tables Table 1: DoC eService Summary	
Table of Tables Table 1: DoC eService Summary	
Table of Tables Table 1: DoC eService Summary	
Table of Tables Table 1: DoC eService Summary	
Table of Tables Table 1: DoC eService Summary	
Table of Tables Table 1: DoC eService Summary Table 2: Data Fields of Exporter Login Table 3: Data Fields of Certificate of Origin Application Table 4: Data Fields for Request for COO Copies Table 5: Data Fields for Department Login. Table 6: Data Fields for Record Registered Exporters Table 7: Manage Exporters Table 8: Record Cost Statement/ Affidavit Table 9: Manage COO Table 10: Annual Quota Allocation Table 11: Daily Transaction Report Table 12: Exports/ FTA Statistics Report Table 13: Performance Requirements Table 14: Function Point Summary Table 15: Unadjusted FP Count Table 17: EIFs Table 17: EIFs Table 18: EIs Table 19: EOs Table 19: EOs	
Table of Tables Table 1: DoC eService Summary	

Glossary

COO - Certificate of Origin

CSS - Cascading Style Sheets

DAO - Data Access Object

DoC - Department of Commerce

HTTP - Hypertext Transfer Protocol

HTTPS - Hypertext Transfer Protocol Secure

IE - Internet Explorer

ICTA - Information and Communication Technology Agency

No. - Number

Ref. - Reference

SMS - Short Message Service

UI - User Interface

URL - Uniform Resource Locator

1 Introduction

The Department of Commerce (DoC) is responsible for foreign trade policy formulation, and all related coordination and implementation matters, with the objective of developing and promoting Sri Lanka's foreign trade relations at bilateral, regional and multilateral levels.

Department mission is to develop and promote Sri Lanka's foreign trade relations by the effective implementation of government trade policy, with a view to raising the standards of living and realizing a higher quality of life through the increase of total production, income and employment levels, thereby actively contributing to the overall economic growth of Sri Lanka.

The DoC is the national focal point responsible for the evaluation and negotiation of new bilateral, regional and multilateral trade agreements, and the implementation of existing bilateral, regional and multilateral agreements. The Department is also the certifying agency for certificates of origin under these Agreements.

ICTA intends to support the operations related to the above activity through implementing eServices for DOC. eService scope under this project includes the following two main applications;

- 1. Citizen application for exporters to submit applications for Certificate of Origin through Lanka Gate;
- 2. Department application to manage activities related to exports management. This document details out the requirements to be implemented through each of these eServices.

A summary of the eServices under each of these applications are listed below.

#	eService		Stakeholder	Туре
		eService	DoC	Exporter
1.	Manage Exporters	G2C	$\sqrt{}$	
2.	Enter Cost Statements/ Affidavits	G2C	V	
3.	Apply/ Reapply COO	G2C	$\sqrt{}$	$\sqrt{}$
4.	Manage COOs	G2C	$\sqrt{}$	
5.	Request COO copies	G2C	$\sqrt{}$	$\sqrt{}$
6.	Allocate Annual Quota	G2C	$\sqrt{}$	

Table 1: DoC eService Summary

2 Requirement Specification

The process and activities are divided according to the users in the system

2.1 Process Overview

2.1.1 Process description

There are two main users that are accessing the solution. Each set of users will be having a separate set of functionalities in the system.

DoC	Exporter
Enter exporter registration details	Apply/ Reapply for COO
Manage Exporters	Online Payments
Enter cost statement & Affidavit details	Request COO copies
Approve/ Print COO	Notifications
Allocate annual quota	
Dashboard Notifications	

Figure 1 : DOC eServices Overview

2.2 eServices for Exporter (Citizen Application)

2.2.1 Citizen Application Login & Dashboard

2.2.1.1 Use Case: Citizen Application Login & Dashboard

01	Description	Citizen Application Login
Exporter/	Other	Department User
User	Actors	
	Exporter/ Department	Exporter/ Other Department Actors

Use Case Overview

Registered exporter or an authorised department user can login to the application via 'www.srilanka.lk'

Pre-conditions

1. The user should have a valid (active/ not suspended) login account that is provided by DOC

Business Rules

- 1. User should be identified from the login name; as an exporter, department user or a third party user.
- 2. Third party users should be restrained from login to the system by displaying a message stating 'Please enter a valid Username/ Password'
- 3. System generated password should be send to the registered email address of the user, when click on the 'Forgot password' button after entering the validation text. Message should be displayed stating 'System generated password has been sent to the registered email address'.
- 4. Confirmation email should be send to the registered email address of the user, when change the password.

Main Event List/Flow of Events

- 1. Registered exporter or an authorized department user can login to the application and perform the following functionalities
 - i. Change password
 - ii. Apply for a new COO
 - iii. Reapply for a COO
 - iv. Request for COO copies
- 2. Exporter should be able to view the statuses of the COOs in a grid format that have been applied by the logged in exporter during the last 7 days. This grid should be blank for the department user.

Alternate Event List/Flow of Events

- 1. User enters an incorrect username/ password
 - Error message should be displayed stating 'Please enter Username and Password correctly'.
- 2. User enters an incorrect text verification
 - Error message should be displayed stating 'Please enter the text verification correctly'.
- 3. User enters an incorrect current password
 - Error message should be displayed stating 'Please enter the current password correctly'.
- 4. User enters the confirmation password incorrectly
 - Error message should be displayed stating 'New password and confirm password should be the same'.

2.2.1.2 Wire Frames: Exporter Log in & Dashboard

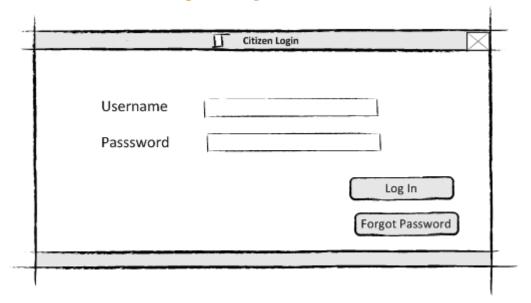


Figure 2: Exporter Login

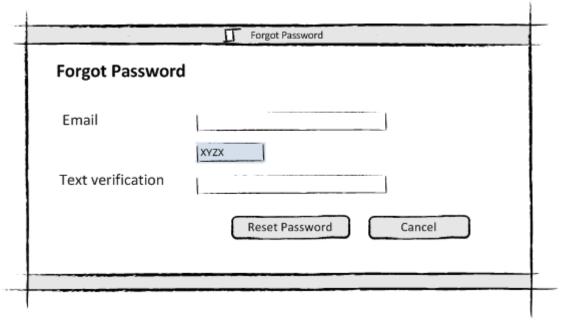


Figure 3: Reset Password

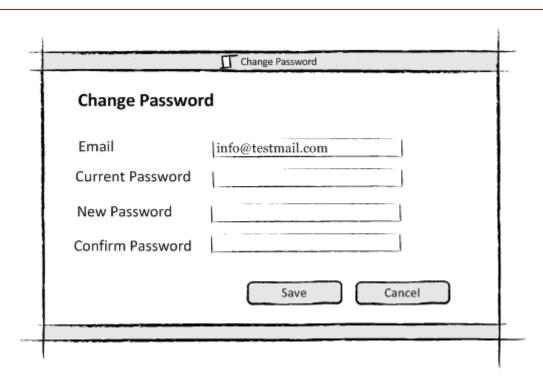


Figure 4: Change Password

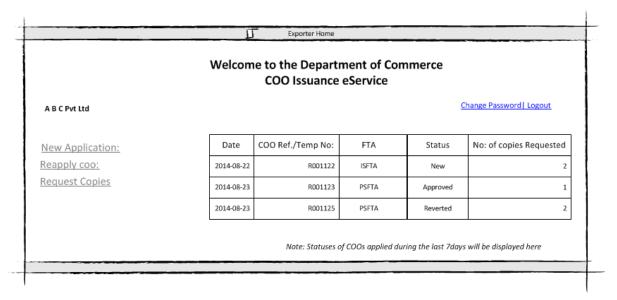


Figure 5: Exporter Home Page

2.2.1.3 Data Fields: Exporter Login

Data	Data Type	Mandatory	
Exporter Login Screen			
Username	Text	Yes	
Password	Text	Yes	
Reset Password			
Email	Text (Display only)	Yes	
Test Verification	Text	Yes	
Change Password			
Email	Text (Display only)		
Current password	Text	Yes	
New Password	Text	Yes	
Confirm Password	Text	Yes	

Table 2: Data Fields of Exporter Login

2.2.1 Apply/Re-apply for Certificate of Origin

2.2.1.4 Use Case: Apply/Re-apply Certificate of Origin

Use Case #/ID	02	Description	Apply/ Reapply for COO
Initiating Actor	Exporter/ Department User	Other Actors	Department User

Use Case Overview

Exporter should obtain a Certificate of Origin (COO) under a relevant Free Trade Agreement (FTA) to exploit the benefits of the FTA. A COO should be obtained for each shipment. There should be a valid cost statement or an affidavit for each product, to apply for a COO.

Pre-conditions

- 1. The user has successfully logged in to the www.srilanka.lk portal
- 2. Exporter should be a registered exporter in DoC
- 3. There should be an approved and valid cost statement or an affidavit in the system for the relevant products under the relevant FTA

Business Rules

- 1. Application for a COO or reapplying for an already issued COO can be submitted only through the citizen application.
- 2. The system will identify the user as an exporter or a department user through the login
- 3. 'Exporter Registration No.' field should be enabled only for department users. Relevant exporter registration number and name should be displayed for the logged in exporter.
- 4. 'Retrieve saved application' tick box should display only for new applications. 'Reference/ (Temp) Number' field should be enabled for new application, when tick the 'Retrieve saved application' tick box.
- 5.. 'Reference/ (Temp) Number' field should be enabled for reapplications.
- 6. FTAs are listed only if a valid cost statement/ affidavit is available for the selected exporter
- 7. Products are listed only if a valid cost statement/ affidavit is available for the selected FTA
- 8.'Quota on this certificate' cannot be greater than balance quota
- 9. Only one product is allowed for one COO application when Quota is applied
- 10. Multiple products are allowed in normal COO applications (non-quota) for tariff concessions
- 11. A temporary COO reference number is issued to the exporter as a reference till the COO is approved
- 12. Temporary COO reference number should be generated from the system in the format of 'T/<Agreement>/XXX'.
- 13. Application fee will not be charged for re-applications
- 14. Balance quota amount should be updated for the exporter as well as for the relevant product in FTA, when a COO with quota has been cancelled.

Main Event List/Flow of Events

1. Exporter can apply or reapply a COO by selecting the relevant radio button. Department user also can apply or reapply for a COO on a request of an exporter by entering the relevant exporter's registration number.

2. Apply for a new COO:

- a. 'Free Trade Agreement Name' drop down should list FTAs only with valid cost statement or affidavit for the exporter.
- b. 'HS Codes' should be listed based on the products with valid cost statements or

- affidavit for the selected FTA and selected/logged in exporter.
- **c.** More than one product can be included in a COO. The user may add items accordingly and the Item Detail section has to be filled in for each product.
- d. Relevant Cost Statement or Affidavit numbers should be displayed based on the exporter, FTA and products applied. One COO shall be linked to multiple Cost Statements and Affidavits.
- e. Quota section shall be activated only for the FTAs marked as quota available. 'Tariff Rate Quota' section' should be displayed only when clicked on the 'Add Quota' button
- f. Only the products with a quota allocation are allowed in the quota section. If applying for Quota, only one product is allowed. Exporters should apply for multiple certificates if it is required to apply for multiple quotas for products on COO. If a quota is requested then tariff concessions for other items cannot be applied through the same application.
- g. Quota details of the entered product (Total Quota, Quota Utilized, and Balance) shall be displayed when clicked on the 'Add Quota' button. User should be able to enter 'Quota on this Certificate'.
- h. User can add multiple products by entering relevant data fields and clicking the '+' button. Quota details can be entered for each product by clicking 'Add Quota' button.
- i. 'Payment Receipt No.' field should be enabled only for department users to enter the manual receipt number.
- j. 'Postal Address' field should be enabled only when the user selects the certificate collection method as 'Post'.
- k. Total fee will be calculated based on the application fee, requested number of copies and the collection method. The application fee, charges for a copy and the postal charge shall be pre-defined in the system.
- l. When the department user clicks the 'Submit' button, the COO application shall be saved and be listed under the 'Manage COO' function. Such applications shall be identified as manually submitted applications.
- m. When an exporter clicks on the 'Submit' button after entering all mandatory data, the system should be directed to the payment gateway for online payments. Once the payment is successfully made, the COO application shall be listed under the 'Manage COO' function. Such applications shall be identified as online submitted applications.
- n. A transaction reference number shall be generated through the system for the payment
- Payment confirmation screen shall be displayed stating the details of the payment. Exporter can proceed to the payment gateway by clicking the 'Pay' button
- p. Printable payment confirmation receipt shall be displayed after a successful payment. This payment confirmation receipt shall be emailed to the exporter as a reference
- q. The application shall generate a temporary COO reference number and will be displayed for the user.
- r. The applications with the 'Revert' status can be extracted with the temporary reference number. Exporters may adjust the relevant detail in the application form and re-submit the form. This will not involve any payments.

3. Reapply for a COO:

- a. Exporters can re-apply for COOs that are approved and later cancelled by DOC
- b. All approved and then cancelled reference numbers of COOs of the relevant exporter should be listed down when clicked on the 'Fetch' button. Results should be filtered based on the entered data. This is a mandatory data field when reapplying a COO.
- c. When the relevant COO is selected, the data entered for the selected COO should

be loaded into the form. Exporter may edit this data and re-submit. Only the charges for the number of copies and the postal charges (if applicable) shall be charged. Application fee will not be charged for re-applications.

- 4. User can save the 'New' COO applications temporally by clicking the 'Save' button and can retrieve the COO later by entering the system generated 'Temporary reference number'.
- 5. All data fields will be cleared when clicked on the 'Reset' button

Alternate Event List/Flow of Events

- 1. Allocated quota values (Total Quota, Quota Utilized, and Balance) for a selected product should be displayed in section 11, based on the entered values in 'Quota Allocation' screen for an exporter and for a product under a FTA.
- 2. User entered FOB value of exporting products should be displayed in 'Exporter/ FTA Statistics Report'
- 3. Message should be displayed stating 'Online payment is unsuccessful. Please retry.' for unsuccessful payments.
- 4. Message should be displayed stating 'Please enter all mandatory fields.', when the user submit the application without entering all mandatory fields.

2.2.1.5 Wire Frames: Certificate of Origin Application



Figure 6: Certificate of Origin Application



Figure 7: Payment Confirmation



Figure 8: Online Payment Receipt

2.2.1.6 Data Fields: Certificate of Origin Application

Data	Data Type	Mandatory
New/ Reapply	Radio button	
Exporter Registration No.	Text	Yes
Exporter Name	Text (Display only)	
Reference/ (Temp) Number	Number	
Free Trade Agreement Name	Drop down selection	Yes
Exporter Address	Text	Yes
Consignee's Name	Text	Yes
Consignee's Address	Text	Yes
Consignee's Country	Drop down selection	Yes

Mode of Transport	Drop down selection	Yes
Vessel/ Flight No.	Text	Yes
Port of Loading	Drop down selection	Yes
Port of Discharging	Text	Yes
Declaration	Text	Yes
CUSDEC No.	Text	Yes
Office Code	Text	Yes
Voyage No.	Text	Yes
Departure Date	Date Selection	Yes
Item Detail		
HS Code	Text	Yes
Marks	Text	Yes
No. of Packages	Text	Yes
Origin Criterion	Drop down selection	Yes
Gross Weight or other Qty.	Number	Yes
Units	Drop down selection	Yes
Invoice Number	Text	Yes
Invoice Date	Date Selection	Yes
FOB Value (USD)	Number	Yes
Quota		
Quota on this Certificate	Number	Yes (only if applying for
Origin Country	Text	Yes
Date	Date Selection	
No of Copies	Number	Yes
Collection Method	Drop down selection	Yes
Postal Address	Text	
Total Fee (LKR)	Number	
Payment Receipt No.	Text	Yes (if manual application)

Table 3 : Data Fields of Certificate of Origin Application

2.2.2 Request Copies of Certificate of Origin

2.2.2.1 Use Case: Request COO Copies

Use Case #/ID	03	Description	Request COO Copies
Initiating Actor	Exporter	Other Actors	Department User

Use Case Overview

Exporter can request for copies of the certificates of origins that they have obtained from the Department

Pre-conditions

- 1. The user has successfully logged in through the www.srilanka.lk portal
- 2. User should be a registered exporter or an authorized department user
- 3. Relevant exporter should have a valid/approved COO

Business Rules

- 1. 'Exporter Registration No.', 'Receipt No.' fields and 'Save' button should be displayed only for the department users.
- 2. Exporter name should be displayed according to the logged in exporter or selected exporter registration number by a department user.
- 3. Exporters can make copy requests only for their COOs. Department user can submit copy requests for the COOs of a selected exporter.
- 4. Fees should be calculated based on the selected number of copies and collection method.

Main Event List/Flow of Events

- 1. Exporter shall request copies of COO by entering the relevant COO Reference number. Department user also can request copies of COO on behalf of an exporter by entering the relevant exporter's registration number and the COO Reference number.
- 2.FTA, product and consignee country should be displayed based on the selected reference number
- 3. 'Postal Address' field should be enabled only when the user selects the collection method as 'Post'.
- 4.A copy request cannot be submitted if there is a previously submitted, un-processed COO copy request in the system
- 5. Department user can save the request after entering all mandatory data and pressing the 'Save' button. 'Transaction Ref No.' should be displayed when saving the record.
- 6.After entering all mandatory data, exporter can proceed for payment by clicking the 'Confirm & Pay' button.
- 7. Payment confirmation screen shall be displayed stating the details of the payment and the payment reference number. Exporter can proceed to the payment gateway by clicking the 'Pay' button
- 8. Payment confirmation screen shall be displayed stating the details of the payment. Exporter can proceed to the payment gateway by clicking the 'Pay' button
- 9. Printable payment confirmation receipt shall be displayed after a successful payment. The

same receipt shall be emailed to the exporter.

10. All data fields will be cleared when clicked on the 'Reset' button

Alternate Event List/Flow of Events

- 1. Message should be displayed stating 'Please enter a valid COO reference number.', when the user enters an incorrect or cancelled COO reference number.
- 2. Message should be displayed stating 'Please enter all mandatory fields.', when the user submit the application without entering all mandatory fields.
- 3. Message should be displayed stating 'Online payment is unsuccessful. Please retry.', for unsuccessful payments.

2.2.2.2 Wireframe: Request COO Copies



Figure 9: Request COO Copies

2.2.2.3 Data Fields: Request COO Copies

Data	Data Type	Mandatory
Exporter Registration No.	Text	Yes
Exporter Name	Text (Display only)	
COO Ref. No.	Number	Yes
FTA	Text (Display only)	
Product	Text (Display only)	
Consignee's Country	Text (Display only)	
No. of copies	Drop down selection (1-5)	Yes
Collection method	Drop down selection (By Hand/ By Post)	Yes
Postal Address	Text	Yes (only if the collection method is post)
Receipt No.	Text	Yes (only for manual applications)
Transaction ref. No.	Text	
Charges for copies	Number	
Postal charges	Number	
Total	Number	

Table 4: Data Fields for Request for COO Copies

2.3 eServices for the Department (Department Application)

2.3.1 Department Application Login & Dashboard

2.3.1.1 Use Case: Department Application Login & Dashboard

Use Case #/ID	04	Description	Department application login
Initiating	Department	Other	
Actor	user	Actors	

Use Case Overview

Authorized department user can log in to the department application

Pre-conditions

- 1. There shall be mainly two user groups name 'Department User' and 'Department Admin'.
- 2. User accounts should be created through the Common Admin application

Business Rules

- 1. Third party users should be restrained from login to the system by displaying a message stating 'Please enter a valid Username/ Password'
- 2. When click on the 'Forgot password' button after entering the validation text, system generated password should be send to the registered email address of the user. Message should be displayed stating 'System generated password has been sent to the registered email address'.
- 3. Confirmation email should be send to the registered email address of the user, when change the password.

Main Event List/Flow of Events

- 1. Authorized department user can login to the department application and perform the following functionalities
 - I. Change password
 - II. Enter registered exporters details
 - III. Manage exporters
 - IV. Manage COOs
 - V. View Daily Transaction Report
 - VI. View Statistics Report
- 2. Department user should be able to view number of pending COOs in the queue if the user has access to the 'Manage COO' function. The number represents the pending COOs for checking or for approval based on the logged in user.

Alternate Event List/Flow of Events

- 1. User enters an incorrect username/ password: Error message should be displayed stating 'Please enter Username and Password correctly'.
- 2. User enters a suspended username: Error message should be displayed stating 'Entered username has been suspended'.
- 3. User enters an incorrect email format: Error message should be displayed stating 'Please enter email correctly'.
- 4. User enters incorrect text verification: Error message should be displayed stating 'Please enter the text verification correctly'.
- 5. User enters current password incorrectly: Error message should be displayed stating 'Please enter the current password correctly'.
- 6. User enters the confirmation password incorrectly: Error message should be displayed stating 'New password and confirm password should be the same'.

2.3.1.2 Wireframe: Department Login & Dashboard

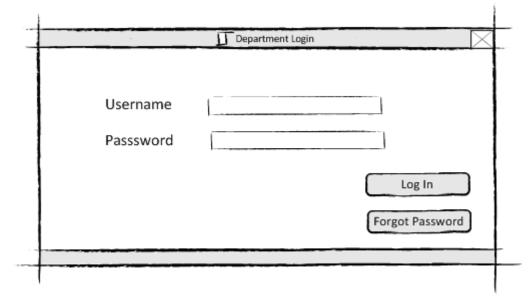


Figure 10: Department Login

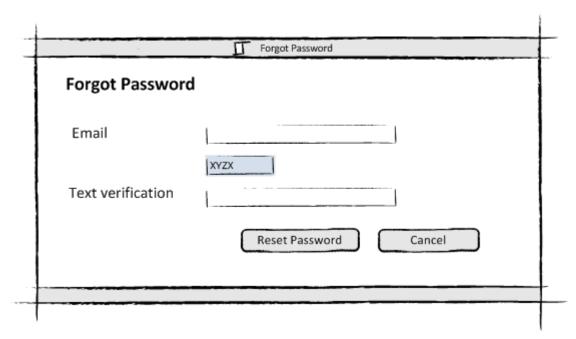


Figure 11: Department User - Forgot Password

Change Passwo	rd
Email Address	info@testmail.com
Current Password	
New Password	
Confirm Password	
	Save Cancel

Figure 12: Department User Change Password

200 1334411	ce eServices
A. Perera	Change Password Logou
Exporter Registration	
Manage Exporters	Notifications:
Manage COO	Pending COOs on queue today - 98
Record Cost Statements/ Affidavits	
Annual Quota Allocation	
Daily Transaction Report	
Statistics Report	

Figure 13: Department Home Page

2.3.1.3 Data Fields: Department User Login & Dashboard

Data	Data Type	Mandatory		
Exporter Login Screen				
Username	Text	Yes		
Password	Text	Yes		
Reset Password				
Email Address	Text (Display only)	Yes		
Test Verification	Text	Yes		
Change Password				
Email Address	Text (Display only)			
Current password	Text	Yes		
New Password	Text	Yes		
Confirm Password	Text	Yes		

Table 5: Data Fields for Department Login

2.3.2 Exporter Registration

2.3.2.1 Use Case: Exporter Registration

Use Cas	e 05	Description	Enter registered exporter details
#/ID			
Initiating	Department	Other	
Actor	user	Actors	
110001	4001	1100010	

Use Case Overview

Department user should be able to enter details of registered exporters which are relevant to the application.

Pre-conditions

- 1. User should have a valid login to the department application
- 2. Only the registered exporters' details should be entered

Business Rules

- 1. Only the approved exporters shall be entered into the system
- 2. Exporter registration number should be generated from the system in the format of 'D/COM/R/Company Registration No' (Reg. No should have 5 digits).

Main Event List/Flow of Events

- 1. User should be able to add registered exporters to the system by filling, all mandatory fields and clicking the 'Add' button.
- 2. The exporter registration number shall be generated for the new exporters through the system.
- 3.Once a new exporter is entered into the system, the username and password to login to the citizen application shall be generated and emailed to the exporter. A slip containing the user name and the password shall be generated, which can be printed and handed over/posted to the exporter by the department.
- 4. 'Modify' button should be enabled only when the form is loaded through the 'Manage Exporters' screen. In such case an existing exporters detail shall be loaded into the form and the user may apply relevant changes and save.

Alternate Event List/Flow of Events

- 1. User should be able to modify the exporter registration from the 'Manage Exporters' screen by clicking the relevant exporter's registration number link. Record will be updated when the user click on the 'Modify' button after the changes.
- 2. Message should be displayed stating 'Please enter all mandatory data', when click on the 'Add' button without entering all mandatory data.
- 3. All data fields should be cleared when clicked on the 'Reset' button
- 4. Message should be displayed stating 'Entered exporter registration number already exists', when enters a duplicate exporter registration number.

2.3.2.2 Wireframe: Exporter Registration Form

4 th Floor.	"Rakshana Mandiraya" No.21, Vauxhall Street, Colombo 02
	GISTRATION AS Form under Preferences Schemes
1.COMPANY NAME	
2. BUSINESS REGISTRATION NO	D.:
3. EXPORTER REGISTRATION N	O.:
4. CONTACTDETAILS	
Official Address	
Fax:	
E-mail:	
Contact Person:	
5.DETAILS OF THE PERSON WH	AO SHRMITS COO:
	10 305WIT13 COO.
Name :	
Email:	
l	

Figure 14: Exporter Registration Form

2.3.2.3 Data Fields: Exporter Registration

Data	Data Type	Mandatory
Company Name	Text	yes
Business Registration No.	Text	yes
	Text (system	
Exporter Registration No.	generated)	
Official Address	Text	
Telephone	Number	
Fax	Number	
Email	Text	yes
Contact Person	Text	
Name	Text	
Mobile Number	Number	yes
Email Address	Text	yes

Table 6 : Data Fields for Record Registered Exporters

2.3.3 Manage Exporters

2.3.3.1 Use Case: Manage Exporters

Use Case	05	Descripti	Manage exporters
#/ID		on	
Initiating	Department	Other	
Actor	user	Actors	

Use Case Overview

Department user should be able to suspend, reactivate and modify exporters. User can also reprint the login credentials

Pre-conditions

- 1. User should have a valid login to the department application and should have been given access to the 'Manage Exporters' screen
- 2. Button label should be 'Suspend' for active exporters and 'Activate' for suspended exporters.

Business Rules

- 1. Password should be reset and new user account details should be printed for the selected exporter, when clicked on the 'Print Login Credentials' button. The new password should also be sent through email to the exporter.
- 2. Exporter should be able to be filtered from the registration number or exporter name. Field should display the exporter registration number.

Main Event List/Flow of Events

- 1. By default screen shall display the entire exporter list without any filtering
- 2. User shall be able to filter from the exporter registration number and/or from the status
- 3. User shall be able to print the selected list and export the list to pdf/ excel
- 4. User shall be able to suspend or reactivate the exporters. Status should be updated accordingly. Suspended exporters will not be able to login to the citizen application.
- 5. User shall be able to print login credentials of the registered exporters. This will reset the existing password before printing the login credentials. The reset password shall be emailed to the exporter.
- 6.User can modify the registered exporter detail by clicking on the registration number which will load the detail of the selected exporter in the 'Exporter Registration' form.

Alternate Event List/Flow of Events

2.3.3.2 Wireframe: Manage Exporters

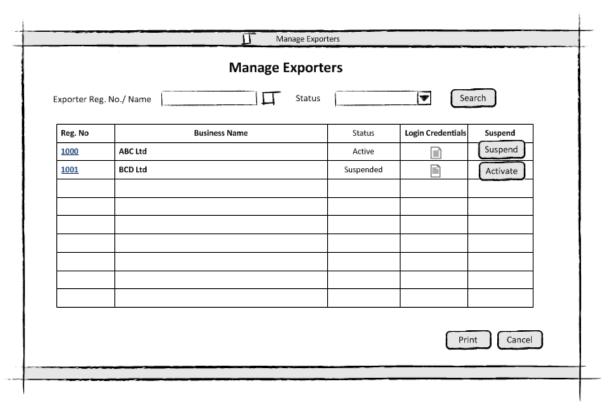


Figure 15: Manage Exporters

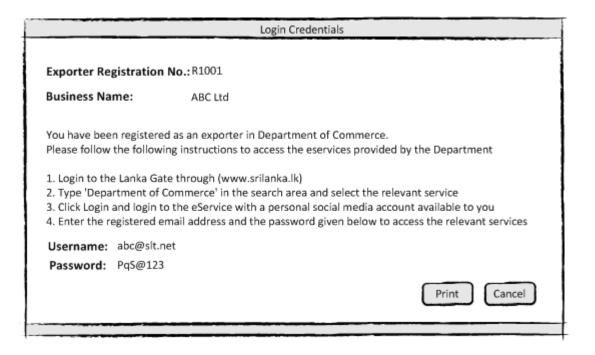


Figure 16: Login Credentials Slip

2.3.3.3 Data Fields: Manage Exporters

Data	Data Type	Mandatory
Exporter Reg. No.	Text	
Business Name	Text	
Status	Text	

Table 7: Manage Exporters

2.3.4 Record Cost Statement/ Affidavit

2.3.4.1 Use Case: Record Cost Statement/ Affidavit

Use Case	06	Description	Record Cost Statement/ Affidavit
,			
Initiating	Department	Other	
Actor	user	Actors	

Use Case Overview

Department user shall be able to record approved cost statements and affidavits of the exporter.

Pre-conditions

1. User should have a valid login to the department application and should have given access to the screen

Business Rules

- 1. Cost statement number should be generated in the format of '**CS/DCOMR** Company Registration No/ Scheme or Agreement/ Year/ Cost Statement No' (Cost statement No should have 4 digits).
- 2. Affidavit number should be generated in the format of 'AF/DCOMR Company Registration No/ Scheme or Agreement/ Year/ Affidavit No' (Affidavit No should have 4 digits).
- 3. Reminder email should be generated to the exporters' registered email addresses 2 weeks prior to the expiration of cost statements or affidavits.

Main Event List/Flow of Events

- 1. Department user shall select the type as 'New' in order to record new statement/ affidavit details.
- 2. Exporter should be able to fetch from the exporter registration number or from the exporter registered name
- 3. User may enter all the mandatory data and save the cost statement/ affidavit. The system shall generate the reference number for the cost statement/ affidavit which will be displayed to the user upon successful saving.
- 4. When select the 'Modify' mode only the 'Document Type', 'Statement/ Affidavit No.' and 'Valid Through' fields should be enabled. Based on the selected 'Document Type' and 'Statement/ Affidavit No.', other field values should be displayed. Only the expiry period of the statement/ affidavit can be modified.

Alternate Event List/Flow of Events

Email format for expiring cost statements and affidavits:

Dear Sir,

Certificate of Origin/ Affidavit obtained by your company with the reference number bearing <COO No.>/ <Affidavit No.> due to be expired on <dd-mm-yyy>

Thank You,

Department of Commerce, Sri Lanka

2.3.4.2 Wireframe: Record Cost Statement/ Affidavit

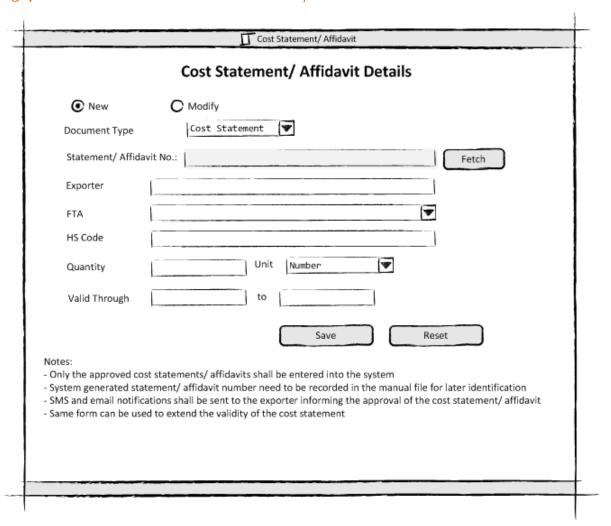


Figure 17: Record Cost Statement/ Affidavit

2.3.4.3 Data Fields: Record Cost Statements/ Affidavits

Data	Data Type	Mandatory
New/ Modify	Radio button	yes
	Drop down selection	
	<cost< td=""><td></td></cost<>	
Document Type	Statement/Affidavit>	yes
	Text (system	
Statement/ Affidavit No.	generated)	
Exporter	Text	yes
FTA	Drop down selection	yes
Product (HS Code)	Text	yes
Quantity	Number	yes
Units	Drop down selection	yes
Validity Period	Date Selection	yes

Table 8 : Record Cost Statement/ Affidavit

2.3.5 Manage COOs

2.3.5.1 Use Case: Manage COOs

Use Case	07	Description	Manage COOs
#/ID			
Initiating	Department	Other	
Actor	user/	Actors	
	Department		
	Admin User		

Use Case Overview

This function allows DoC to manage the COOs submitted through the citizen application

Pre-conditions

1. User should have a valid login to the department application and should have given access to the screen and relevant actions

Business Rules

- 1. There should be two user groups for the Department application namely 'Department User' and 'Department Admin'. Department user who has access to this function is only entitled to check the COOs in 'New' status. Department admin users will have access to the remaining activities.
- 2. COO statuses should be able to be changed in the following order

	Current Status	Next Possible Statuses
01	New	Checked
02	Checked	Approved/ Rejected/ Reverted
03	Approved	Printed/ Cancelled
04	Printed	Cancelled
05	Request to Reprint	Reprinted/ Rejected
06	Reprinted	Cancelled

3.COO reference numbers should be generated from the system in the following format:

No	Agreement/ Scheme	Country	Certificate No
1	ISFTA	India	CO/ISFTA/Year/COO No
2	PSFTA	Pakistan	CO/PSF/Year/COO No
3		Afghanistan	CO/SP/AFG/Year/COO No
	SAPTA	Bangladesh	CO/SP/BAN/Year/COO No
		Bhutan	CO/SP/BHU/Year/COO No
		India	CO/SP/IND/Year/COO No
		Maldives	CO/SP/MAL/Year/COO No
		Nepal	CO/SP/NEP/Year/COO No
		Pakistan	CO/SP/PAK/Year/COO No
4		Afghanistan	CO/SAF/AFG/Year/COO No
	SAFTA	Bangladesh	CO/SAF/BAN/Year/COO No
		Bhutan	CO/SAF/BHU/Year/COO No
		India	CO/SAF/IND/Year/COO No
		Maldives	CO/SAF/MAL/Year/COO No
		Nepal	CO/SAF/NEP/Year/COO No
		Pakistan	CO/SAF/PAK/Year/COO No
5	APTA	Bangladesh	CO/BAN/Year/COO No
		China	CO/CHI/Year/COO No

India CO/IND/Year/COO No Laos CO/LAO/Year/COO No S. Korea CO/KOR/Year/COO No S. Korea CO/KOR/Year/COO No S. Korea CO/KOR/Year/COO No Belgium CO/BEL/Year/COO No Belgium CO/BEL/Year/COO No Croatia CO/CRO/Year/COO No Croatia CO/CRO/Year/COO No Cyprus CO/CY/Year/COO No Cyprus CO/ER/Year/COO No Cyprus CO/ER/Year/COO No Estonia CO/ES/Year/COO No Finland CO/ER/Year/COO No Finland CO/ER/Year/COO No Germany CO/GER/Year/COO No Germany CO/GER/Year/COO No Greece CO/GRE/Year/COO No Ireland CO/IRE/Year/COO No Ireland CO/IRE/Year/COO No Italy CO/ITA/Year/COO No No Italy CO/ITA/Year/COO No No No No No No No No		T	T	
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		Japan	CO/JAP/Year/COO No
		New Zealand	CO/NZ/Year/COO No
		Norway	CO/NOR/Year/COO No
		Russian Federation	CO/RUS/Year/COO No
		Switzerland	CO/SWI/Year/COO No
		Turkey	CO/TK/Year/COO No
		USA	CO/USA/Year/COO No
GST	'P	Brazil	CO/BRA/Year/COO No
		Chile	CO/CHI/Year/COO No
		Iran	CO/IRA/Year/COO No
		Mexico	CO/MEX/Year/COO No
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4. Every action shall be recorded with a comment, user, date and time for transaction logging purposes

Main Event List/Flow of Events

- 1. Records can be filtered by FTA, Exporter, COO Code, Temporary reference number, status and the period.
- 2. Relevant COO shall be displayed when the temporary reference no link is clicked.
- 3. 'Print' button should enable only for the 'Approved' and 'Printed' COOs.
- 4.Once the Edit button is clicked in any row, the system shall record that the relevant COO is being processed by a user and any other users will not be able to work on such COOs. The system shall disable such rows that are being worked on by another user. Login user name will be displayed in the 'Taken By' field, when another user clicks on the 'Edit' button.
- 5. New COOs submitted by the exporter will be checked by a department user. Department user can only check the data in COOs in the 'New' status by clicking the 'Temp. Ref. No.'. The user may click on the Edit button to start working on the COO and change the status to 'Checked' and Save the record. Status of the COO will be changed to 'Checked' and will be removed from the users who are in the checking level (department user). A comment need to be provided at the time of saving.
- 6.Once a COO is checked, then the same shall be available for the Department Admin users for approval, revert or reject.
- 7. The department admin may select 'Revert'; provide a comment to save to inform the user of any changes required to the application. System will send an email to the exporter with the comment and the temporary reference number to the COO. Exporters can use the temporary reference number to access the application and make adjustments through the citizen application.
- 8.Department admin may 'Approve' the application with a comment. The COO reference number shall be generated accordingly and the exporter will be informed through and email with the COO reference number.
- 9. Department admin may 'Reject' the application with a comment. The COO application shall be marked as a rejected application and an email shall be sent to the exporter informing that the application has got rejected.

- 10. Records need to be saved after every action change by inserting a comment.
- 11. Only the approved COOs can be printed by Department Admin. 'Exporter copy' and 'Office copy' can be printed separately by selecting the relevant copy type from the pop-up. Status will be automatically changed to 'Printed' after confirming the print by selecting the copy type and number of copies'
- 12. When an exporter request for copies of a particular COO; it will appear in the 'Manage COO' screen with the status 'Request to Reprint'. Department Admin will reprint the requested number of copies by changing the action to 'Reprint'. Status will be changed to 'Reprinted', after confirming the print request by selecting the copy type and number of copies'. Number of copies shall be automatically displayed based on the number of copies requested by the exporter.
- 13. 'Action History' will pop up when clicked on the 'History' button. The action history shall display the action, user, date and comments.
- 14. Department Admin can cancel an approved COO by changing the action to 'Cancel'. Status will be changed to 'Cancelled' after that.

Alternate Event List/Flow of Events

- 1. Only the cancelled COOs should be loaded for reapplication in COO application
- 2. Comment entered by the DoC users should display in the 'Action History'.
- 3. Emails and SMS should be generated to the relevant exporters in the following format, when the department user approve, reject or revert the COO application.

Email format Approved COO:

Dear Sir,

With reference to the certificate of origin application submitted on <submit date> with the temporary reference number <temp number> has been <approved> by the Department of Commerce. The assigned reference number for the certificate of origin is <Ref. N.o>

Comment:

<comment>

Thank You,

Department of Commerce, Sri Lanka

Please call 1919 if you have any queries.

Email format Reverted COO:

Dear Sir,

With reference to the certificate of origin application submitted on <submit date> with the temporary reference number <temp number> has been <reverted> by the Department of Commerce. Please make the required adjustments as mentioned in the below comments and resubmit your application.

Comment:

<comment>

Thank You,

Department of Commerce, Sri Lanka

Please call 1919 if you have any queries.

Email format Rejected COO:

Dear Sir,

With reference to the certificate of origin application submitted on <submit date> with the temporary reference number <temp number> has been <rejected> by the Department of Commerce. Please refer the comments mentioned below.

Comment:

<comment>

Thank You,

Department of Commerce, Sri Lanka

Please call 1919 if you have any queries.

SMS format COO status changes:

COO application submitted with the temp. ref. no. <temp number> has been <status> by the DoC. Please check your registered email address for details.

2.3.5.2 Wireframe: Manage COOs

Manage COOs													
FTA	ALL Status ALL												
Exporter	Fetch						Temp. Ref # Fetch						
COO Code				Fe	etch		Duration	11/09/201	4 to	11/09/2014	Se	earch	
Temp Ref#	Date	COO Code	Exporter Reg. No.	Exporter Name	Status	Delivery Mode	Action	Taken By	Edit	Save	Print	Cancel	Histo
T/GST/0001	2014/09/11		101/2006	A B C Pvt Ltd	New	Post	Check Approve	sperera	S	•		×	>>
7 0017 0002				D. E. C. D. J. L. J.	Approved	Office		asilva	50	.	l lin	×	>>
T/PSFTA/0001	2014/09/11	COO101	105/2034	D E F Pvt Ltd	Approved	Office		asiiva				^	
	2014/09/11	COO101	105/2034	D E F PVt Ltd	Approved	Office	Revert	asiiva	7			^	-
	2014/09/11	COO101	105/2034	D E F PVt Ltd	Approved	Office		asiiva		,		^	
	2014/09/11	COO101	105/2034	D E F PVt Ltd	Approved	Office	Revert	asiiva	7			^	
	2014/09/11	COO101	105/2034	D E F PVt Ltd	Арргочец	Office	Revert	asiiva					
	2014/09/11	COO101	105/2034	D E F PVt Ltd	Approved	Office	Revert	asiiva					
	2014/09/11	C00101	105/2034	DEFPVLtd	Approved	Office.	Revert	asiiva					

Figure 18: Manage COOs



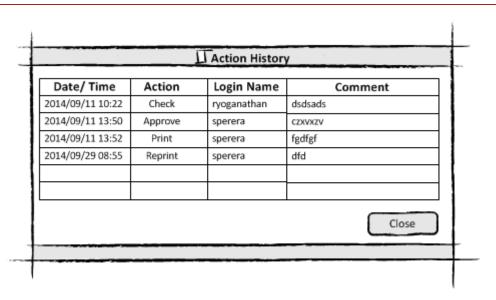


Figure 19: Action History -Popup

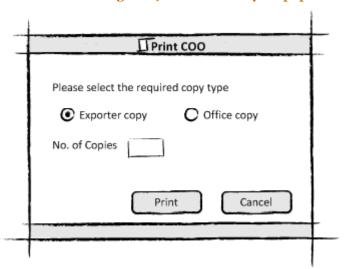


Figure 20: Print COO Confirmation

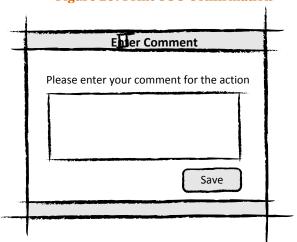


Figure 21: Action Comments - Popup

2.3.5.3 Data Fields: Manage COO

Data	Data Type	Mandatory
Manage COO		
FTA	Drop down selection	
Exporter	Fetch from Exporter Registration number and name	
COO Code	Fetch from COO Code	
Status	Drop down selection.	
Temp. Ref. No.	Fetch from temporary reference number	
Duration	Date selection	
Action	Drop down selection	
Validity Period	Date Selection	
Print COO		
Сору Туре	Radio Button (Exporter Copy/ Office Copy)	
No. of copies	Text	
Enter Comment		
Comment Box	Text	

Table 9: Manage COO

2.3.6 Print COO

2.3.6.1 Use Case: Print COO

Use Case #/ID	08	Description	Print COO
Initiating	Department	Other	
Actor	Admin user	Actors	

Use Case Overview

This function defines the rules in printing the COOs/ copies. Printing COO function is called through the 'Print' button available in the Manage COO function.

Pre-conditions

1. User should have a valid login to the department application and should have given access to print COOs

Business Rules

- 1. System shall maintain several templates for printing the COO. The relevant template will be set up with the FTA.
- 2. The COO shall be printed on a pre-printed standard security paper for the FTA. User will need to feed the correct pre-printed form before printing the COO.

Main Event List/Flow of Events

- 1. System shall fetch the relevant template for the FTA of which the COO is being printed.
- 2. Data to the COO shall be loaded with the information provided by the exporter in the COO application.
- 3. 'For Official Use' section (section 4) should be printed only in the office copies.
- 4. The first print of the COO shall be marked as 'ORIGINAL'
- 5. The word 'DUPLICATE' should be printed in the subsequent exporter copies of COOs after the first print.

Alternate Event List/Flow of Events

2.3.8 Annual Quota Allocation

2.3.8.1 Use Case: Annual Quota Allocation

Use Case #/ID	09	Description	Allocate annual quota to requested exporters
Initiating	Department	Other	
Actor	user	Actors	

Use Case Overview

DoC should be able to allocate quota for a product to a requested exporters

Pre-conditions

1. User should have a valid login to the department application and should have given access to the screen and relevant actions

Business Rules

- 1. Only the approved quota shall be allocated in the system
- 2. Quota allocation is valid for a calendar year
- 3. Quota allocation cannot be greater than the 'Remaining Quota'

Main Event List/Flow of Events

- 1. User can allocate quota for a requested exporter for a requested product by analysing the past performance of the exporter
- 2. By default current year should be displayed for the 'Year'.
- 3. 'Remaining Quota' should be displayed according to the selected year, FTA and HS Code.
- 4. Quota allocation history should be able to be viewed by clicking on the 'Allocation Details' link. If the user clicks on the 'Allocation Details' link without selecting 'FTA' and 'HS Code', message needs to be displayed stating 'Please select a FTA and a HS Code to view allocation details'.
- 5. Quota allocation amount cannot be greater than the remaining quota.
- 6. 'Year' drop down selection in 'Allocation History' should make available the last 10 years
- 7. Quota allocation details should be saved when click on the 'Save' button

Alternate Event List/Flow of Events

2.3.8.2 Wireframe: Annual Quota Allocation

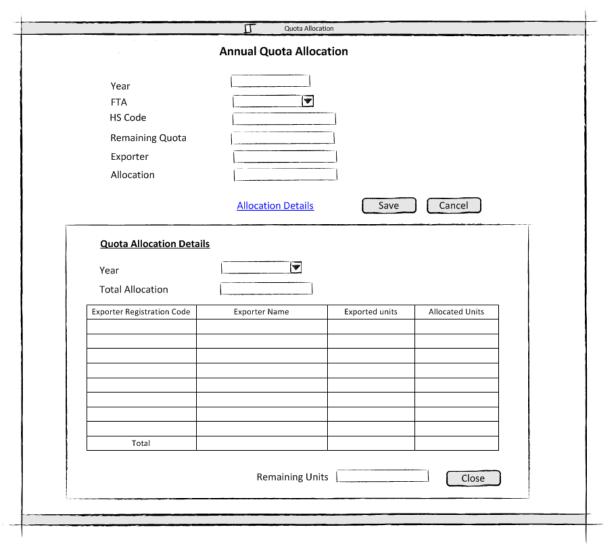


Figure 22: Annual Quota Allocation

2.3.8.3 Data Fields: Annual Quota Allocation

Data	Data Type	Mandatory
Year	Drop down selection	Yes
FTA	Drop down selection	Yes
HS Code	Fetch from HS Codes	Yes
	Fetch from Exporter Registration	
Exporter	number and name	Yes
Allocation	Number	Yes

Table 10: Annual Quota Allocation

2.3.9 Daily Transaction Report

2.3.9.1 Use Case: Daily Transaction Report

Use Case #/ID	10	Description	Display payment transaction details
Initiating	Department	Other	
Actor	User	Actors	

Use Case Overview

DoC users will be able to view payment transaction details for daily reconciliation purposes

Pre-conditions

1. User should have a valid login to the department application and should have given access to the screen and relevant actions

Business Rules

- 1. The report can be extracted for a particular date, date range, one or all payment modes, one or all statuses, one or all payment gateways.
- 2

Main Event List/Flow of Events

- 1. By default, data for the current date should be displayed for 'From' and 'To'.
- 2. Records should be displayed based on the date in descending order (latest on top).
- 3. User should be able to filter data from period, payment mode, status and payment gateway
- 4. Receipt number shall be available only for the manual applications and the transaction reference number shall be available only for online applications.
- 5. Payment mode shall be 'Cash' for the manual applications and 'Online' for online transactions
- 6. Convenience fee shall be applicable only for online transactions
- 7. User should be able to print or export data to excel based on the selected criteria.

Alternate Event List/Flow of Events

2.3.9.2 Wireframe: Daily Transaction Report

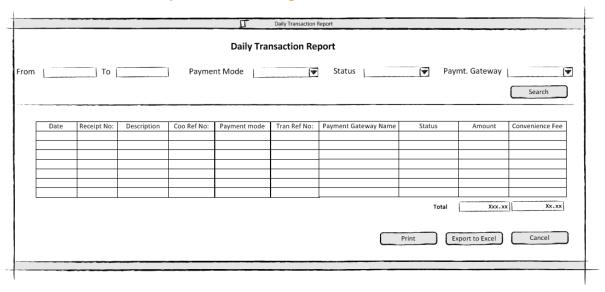


Figure 23: Daily Transaction Report



2.3.9.3 Data Fields: Daily Transaction Report

Data	Data Type	Mandatory
Date	Date selection	
Payment Mode	Drop down selection	
Status	Drop down selection	
Payment Gateway	Drop down selection	

Table 11 : Daily Transaction Report

2.3.10 Exports/ FTA Statistics Report

2.3.10.1 Use Case: Exports/FTA Statistics Report

Use Case #/ID	11	Description	Display export statistics
Initiating	Department	Other	
Actor	User	Actors	

Use Case Overview

DoC users should be able to view performance of a selected FTA, exporter, product and view export details based on the selected criteria.

Pre-conditions

1. User should have a valid login to the department application and should have given access to the screen and relevant actions

Business Rules

1. The report can be extracted for a date range, all or one FTA, all or one country, all or one product, all or one exporter OR a combination of any of these criteria

Main Event List/Flow of Events

- 1. By default current date should be displayed for 'From Date' and 'To Date' and data should be displayed accordingly.
- 2. Records should be displayed based on the date in descending order (latest on top).
- 3. User should be able to filter data from period, FTA, export country, product code and exporter
- 4. Export country selection list should display the countries that have FTA agreements.
- 5. Field values will display according to the exporter inserted values in COO application.
- 6. Total value should be display for 'Quantity' and 'FOB Value (USD)' fields irrespective of the HS code and unit type.
- 7. User should be able to print or export data to excel based on the selected criteria.

Alternate Event List/Flow of Events

2.3.10.2 Wireframe: Exports/FTA Statistics Report

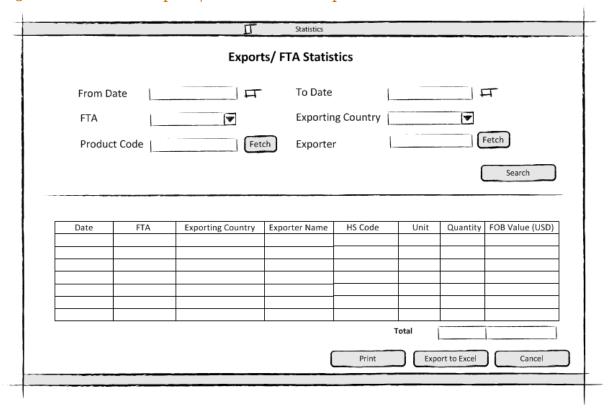


Figure 24: Exports/FTA Statistics Report

2.3.10.3 Data Fields: Exports/FTA Statistics Report

Data	Data Type	Mandatory
Date	Date selection	
FTA	Drop down selection	
Exporting Country	Drop down selection	
HS Code	Fetch	
	Fetch from Exporter registration	
Exporter	number	

Table 12: Exports/FTA Statistics Report

2.4 Non Functional Requirements

All eServices developed shall comply with the Non Functional requirements (Security, Auditing and Performance) as described in the Annex 2 of RFP and "The Lanka Gate Initiative – Overall Architecture and Design" and the subsequent responses to clarifications.

No Exceptions to the above has been identified at the time of compilation of this document other than the following.

- Citizen application implemented through LankaGate shall only be in English
- No audit logs will be maintained for the retrieval of data.
- The eService design should consider maximum performance levels considering;
 - response time for the citizen application form loading and submission
 - high availability for the department/ web applications as the department processes are carried out through the eService
 - Current load approximately 500 COOs issued per day
 - Concurrent usage of minimum 10 users anticipated for both the citizen application as well as the department application
- Performance Requirements:

Screen Navigation performance: field-to-field	< 10 milliseconds
Screen Navigation performance: screen-to-screen	< 5 milliseconds
Screen Refresh performance	< 3 milliseconds
Screen list box, combo box performance	< 3 milliseconds
Screen grid – 25 rows, 10 columns performance	< 5 milliseconds
Simple enquiry performance— single table, 5 fields, 3 conditions — without screen rendering	< 5 seconds for 50,000 rows
Complex enquiry performance— multiple joined table (3), 10 fields, 3 conditions — without screen rendering	< 8 seconds for 50,000 rows
Server side validations / computations performance	< 10 milliseconds
Client side validations / computations performance	< 1 milliseconds
Batch processing (if any) per 100 records performance	<120 seconds
Login, authentication, and verification performance	< 3 seconds
Daily backups (@ Dept.) – max duration performance	1 hour
Total Restore (@Dept) – max duration performance	4 hours

Table 13: Performance Requirements

3 Function Point Analysis

3.1 Summary

Project Identification	
Customer Name	ICT Agency of Sri Lanka
Project Name	eServices Development 2014
Project Code	ICTA/MT/CS20/FBS/235
Department	Department of Commerce
Date	February 17, 2015

Summary of Estimates		
Unadjusted Function Point Count	155	From FP worksheet
Processing Complexity Adjustment Factor	1	From PCA worksheet
Adjusted Function Point Count (AFP)	155	Calculated: (FP*PCA)

Table 14: Function Point Summary

3.2 Detail Function Point Calculation

3.2.1 Unadjusted Function Point Count

Function Type	Functional Complexity	Count	Weight	Function Points (FPs)	FP %
Internal Logical Files (ILFs)	Low	9	7	63	
	Average	0	10	0	0/
	High	0	15	0	41%
External Interface Files (EIFs)	Low	2	5	10	
	Average	0	7	0	604
	High	0	10	0	6%
External Inputs (EIs)	Low	4	3	12	
	Average	1	4	4	- 604
	High	4	6	24	26%
External Outputs (EOs)	Low	2	4	8	
	Average	0	5	0	-04
	High	0	7	0	5%
External Queries (EQs)	Low	10	3	30	
	Average	1	4	4	0/
	High	0	6	0	22%
Total Unadjusted Function Point Count 155 100%					

Table 15: Unadjusted FP Count

^{*} Detail breakdown of the function points calculated above is demonstrated in the next section of this document.

3.2.2Internal Logical Files (ILFs)

List of files	DETs	RETs	Low	Average	High	Notes and Assumptions
FTA	8	1	1	0	0	Holds the master data for FTAs
Exporters	11	1	1	0	0	Exporter registration detail
Cost Statement	12	1	1	0	0	Cost statement/ affidavits
COO	33	1	1	0	0	COO applications and processing
Payments	10	1	1	0	0	Payment detail
Requests	5	1	1	0	0	COO and copy requests
Quota	5	1	1	0	0	Annual quota allocation
HSCodes	4	1	1	0	0	Product master
Countries	4	1	1	0	0	Country master
Summary			9	0	0	

Table 16: ILFs

3.2.3 External Interface Files (EIFs)

List of files	DETs	RETs	Low	Average	High	Notes and Assumptions
LGPS	7	1	1	0	0	service code, trn ref #, amount, return url, convenience fee, pgname, status
Common Admin	4	1	1	0	0	user name, password, department, response
Summary			2	0	0	

Table 17: EIFs

3.2.4External Inputs (EIs)

List of inputs	DETs	FTRs	Low	Average	High	Notes and Assumptions	
Exporter Registration	15	1	1	0	0	14 UI elements + 1 message + 1 email/ FTR - Exporter	
Manage Exporters	9	1	1	0	0	9 UI elements/ FTR - Exporter	
Submit Cost Statement	16	4	0	0	1	15 UI elements + 1 message/ FTR - Exporter, FTA, HSCode, Cost Statement	
Approve COO	22	3	0	0	1	20 UI elements + 1 message + 1 email/ FTR - FTA, Exporter, COO	
Annual Quota Allocation	21	4	0	0	1	19 UI elements + 1 message/ FTR - FTA, HSCode, Exporter, Quota	
Department Login (common module)	6	1	1	0	0	5 UI elements + 1 message/ FTR - Common admin	
Reset Password (common module)	7	1	1	0	0	6 UI elements + 1 message/ FTR - common admin	
COO Application (Exporter)	41	4	0	0	1	40 UI elements + 1 message/ FTR - Exporter/ FTA/ HSCode/ COO	
Request COO Copies	15	2	0	1	0	16 UI elements + 1 message (but considered only 15) / FTR - COO, Requests	
Summary			4	1	4		

Table 18: EIs

3.2.5 External Outputs (EOs)

List of Outputs	DETs	FTRs	Low	Average	High	Notes and Assumptions
Daily Transaction Report	17	1	1	0	0	17 UI elements/ only 1 FTR is counted to simplify the FP count
Statistics Report	16	1	1	0	0	16 UI elements/ only 1 FTR counted to simplify the FP count
Summary			2	0	0	

Table 19: EOs

3.2.6External Queries (EQs)

List of Queries	# of DETs	# of FTRs	Cmplxty	Low	Average	High	Notes and Assumptions
Print username/ pwd (Exporter)	5	1	Low	1	0	0	5 UI elements/ FTR - Exporter
Department Home	2	2	Low	1	0	0	Links, Notifications/ FTR - Common admin, COO
Payment Confirmation	7	1	Low	1	0	0	7 UI elements/ FTR - LGPS
Payment Receipt	12	1	Low	1	0	0	12 UI elements/ FTR -Payments
Exporter Dashboard	7	2	Avg	0	1	0	7 UI elements/ FTR - COO/ Common admin
Print COO (Template 1)	1	1	Low	1	0	0	DETs not counted purposely to make the EQ low
Print COO (Template 2)	1	1	Low	1	0	0	
Print COO (Template 3)	1	1	Low	1	0	0	
Print COO (Template 4)	1	1	Low	1	0	0	
Print COO (Template 5)	1	1	Low	1	0	0	
Print COO (Template 6)	1	1	Low	1	0	0	
Summary				10	1	0	

Table 20: EQs

3.2.7 Value Adjustment Factor (VAF)

	ral Systems acteristics	Degree of Influence (0-5)	Description		
1.	Data Communications	4	Application is more than a front-end, but supports only one type of TP communications		
2.	Distributed Processing	3	Distributed processing and data transfer are on- line and in one direction		
3.	Performance	4	In addition, stated user performance requirements are stringent enough to require performance analysis tasks in the design phase		
4.	Heavily Used Configuration	3	Specific processor requirements for a specific piece of the application are included		
5.	Transaction Rates	3	Daily peak transaction period is anticipated		
6.	Online Data Entry	4	24% to 30% of transactions are interactive.		
7•	Design for End User Efficiency	3	Six or more of the above, but there are no specific user requirements related to efficiency		
8.	Online Update	3	Online update of major internal logical files is included		
9.	Complex Processing	1	Sensitive control and/or application-specific security processing.		
10.	Usable in Other Applications	1	Re-usable code is used within the application		
11.	Installation Ease	1	No special considerations were stated by the user but special setup is required for installation		
12.	Operational Ease	2	Start-up, back-up, and recovery processes were provided, but human intervention is required. The application minimizes the need for paper handling.		
13.	Multiple Sites	О	User requirements not require considering the needs of more than one user/installation site		
14.	Facilitate Change	3	Flexible query and report facility is provided that can handle simple requests. (count as 1 item) Business control data is kept in tables that are maintained by the user with on-line interactive processes, and the changes take effect immediately. (count as 2 items)		
	Degree of Influence (TDI)	35	Calculated (sum of the above)		
Value	e Adjustment Factor (VAF)	1.00	Calculated ((TDI*0.01)+0.65)		

Table 21: Value Adjustment Factor

4 e-Services Implementation Plan

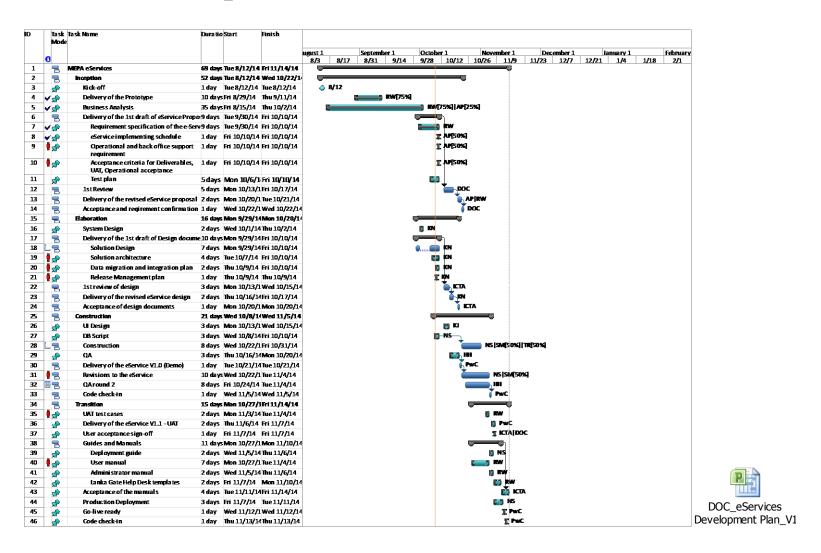


Figure 25: eService Implementation Plan

Version 1.1 (DC - 02) Page 51

5 Operational and Back Office Support Requirements from DoC and ICTA

- 1. DOC to take necessary actions on regularizing the new process of Certificate of Origin (COO) issuance before the eService is implemented.
- 2. DOC needs an internet connection to connect to the web application hosted in the Lanka Government Network (LGN) of ICTA.
- 3. DOC shall have necessary infrastructure and connectivity to connect to both the department application as well as the citizen application
- 4. DOC shall have all the pre-printed forms ready for the application to be launched
- 5. DOC shall appoint users and assign responsibilities. Department level administrator is required to maintain accessibility and other administrative functions related to the DOC department eServices.
- 6. DOC understands that the user who approves the COO through the application shall be the officer who signs the COO
- 7. DOC shall make the necessary printers available to print the COO applications as per the requests coming through the application
- 8. DOC needs to have the necessary forms and process in place for the exporter registration and approving cost statements or affidavits.
- 9. DOC needs to communicate to the exporters regarding the new process of applying for COOs and requesting copies.
- 10. DOC is aware that all email and sms communications with exporters shall be made with the contact information available in the exporter registration.
- 11. ICTA and DOC shall improve the awareness of the exporters on the availability of the eServices and take necessary action to improve the usage.
- 12. DOC is aware that the cost of SMSs being sent as an output of certain eServices has to be borne by the Department.

6 Acceptance Criteria for Deliverables

All documents delivered shall only be subjected to two review cycles prior to acceptance.

Deliverable	Expected Delivery Date	Expected Acceptance Date	Remarks
eService Implementation Proposal	10 Oct 2014	22 Oct 2014	
DOC eServices Design Document	10 Oct 2014	20 Oct 2014	
Release Management Plan	10 Oct 2014	20 Oct 2014	
Installation Guide	04 Nov 2014	14 Nov 2014	
User Manual	04 Nov 2014	14 Nov 2014	
Administration Manual	04 Nov 2014	14 Nov 2014	
User Acceptance Test	06 Nov 2014	06 Nov 2014	
Operational Acceptance	12 Nov 2014	12 Nov 2014	

Table 22 : Acceptance Criteria

7 Sign off

Acceptance

We confirm that the application functionalities defined in this document meets our requirements and here by accept the SRS.

note by accept the other
Department of Commerce
Name:
Designation:
Signature:
Information Communication Technology Agency (ICTA), Sri Lanka
Name:
Designation:
Signature: