

Declaration

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Acknowledgment

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Abstract

Sri Lanka Standards Institution (SLSI) plays the major role of product conformity assessment in the implementation of Compulsory Import Inspection Scheme (CIIS).

At present, all key activities of the scheme are implemented by manual intervention and as a result the efficiency and effectiveness of the decision making process is at a poor level. Therefore, Importers are tends to suffer losses due to delay in clearing the goods from the port. As a result, malpractices like producing forged SLSI decisions at the customs are taken place.

Having implemented the scheme in a computerized environment incorporating the web technology, importers will be able get the service of SLSI avoiding frequent visits in person. Also this will facilitate a better information management on the SLSI side and will in turn, enhance the effectiveness of the scheme.

This software is a web base application with a facility to importers to submit documents online. Also they have a facility to monitor the progress of their submissions at the SLSI. The communication takes place between importers and the SLSI via Emails, updating information displayed in the importer's viewer, and over the phone.

However, only the SLSI staff is allowed to login to the system and they are duly authenticated in accessing the importer's information. All document perusing activities are conducted by the perusing staff in electronic media. In the proposed system, the Sri Lanka customs has a facility to verify the SLSI decisions so that forging the SLSI decisions at the Customs is prevented.

As a first step in introducing the system a detailed study was carried out in the existing system in order to identify the software requirements. Following the object oriented analysis and design approach, the existing system was analyzed and modeled for the ease of understanding and communication with the users. The same approach was used to design the proposed system too.

For the development environment, free and open source resources were selected since it prevents unnecessary license issues to the organization

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Data Dictionary

Term	Type	Purpose
D(QA)	Actor	Director-Quality Assurance who is the in charge of the QA division
AD(QA)	Actor	Persons who are in charge of QA division sub units
DO	Actor	Duty Officer- selected executive officer according to a roster for nomination of Entries for the day
Perusing staff	Actor	Who does the perusing of Entries
CC	Actor	Chief clerk of QA sub unit
Receive/issue clerk	Actor	Who is receiving entries at the counter
Importer	Actor	Who submits Entries requesting the approval for consignments
Customs	Actor	Sri Lanka customs who verifies the SLSI decision for consignments
SLSI	Abbreviation	Sri Lanka Standards Institution
CIIS	Abbreviation	Compulsory import inspection scheme
OOA	Abbreviation	Object orient analysis
OOD	Abbreviation	Object Orient design