

SLS 1055 : 1995
(ISO 8732 : 1988)

Sri Lanka Standard
BANKING - KEY MANAGEMENT (WHOLESALE)

Gr. X

SRI LANKA STANDARDS INSTITUTION

SLS 1055 : 1995
ISO 8732 : 1988

**Sri Lanka Standard
BANKING - KEY MANAGEMENT (WHOLESALE)**

NATIONAL FOREWORD

This standard was finalized by the Sectoral Committee on Information Technology and was authorized for adoption and publication as a Sri Lanka Standard by the Council of the Sri Lanka Standards Institution on 1995-05-25.

This Sri Lanka Standard is identical with ISO 8732 : 1988 Banking -Key Management - (Wholesale) published by the International Organization for Standardization. (ISO).

Terminology and conventions

The text of the International standard has been accepted as suitable for publication, without deviation, as a Sri Lanka Standard. However, certain terminology and conventions are not identical with those used in Sri Lanka Standards, attention is therefore drawn to the following:

- a) Wherever the words 'International Standard/publication' appear, referring to this standard they should be interpreted as "Sri Lanka Standard".

Wherever page numbers are quoted, they are ISO/IEC page numbers.

CROSS - REFERENCES

International Standard

ISO 7982 - 1 : 1987, Bank
Telecommunications -Fund
-transfer messages - part 1
-Part 1 : Vocabulary and data
elements

ISO 8730 : 1990, Banking -
requirements for messages
authentication (wholesale)

ISO 8731- 1 1987, Banking -
-Approved algorithms for
message authentication -
-Part 1 : DEA

ISO 8731-2:1992, Banking -
Approved algorithms for message
authentication - Part 2 :
Message authentication algorithm

Corresponding Sri Lanka Standards

SLS 1045 : 1995 Bank
telecommunications -Fund
transfer messages - Part 1 :
Vocabulary and data elements

SLS 1053 1995, Banking
requirements for messages
authentication (wholesale)

SLS 1054 :Part 1 1995, Banking
approved algorithms for message
authentication - Part 1 DEA.

SLS 1054 : Part 2 : 1995, Banking
-Approved algorithms for message
authentication _Part 2 : Message
authenticator algorithm.

-/ltf.

INTERNATIONAL STANDARD

ISO
8732

First edition
1988-11-15



INTERNATIONAL ORGANIZATION FOR STANDARDIZATION
ORGANISATION INTERNATIONALE DE NORMALISATION
МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ

Banking — Key management (wholesale)

Banque — Gestion de clés

Reference number
ISO 8732:1988 (E)

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

Draft International Standards adopted by the technical committees are circulated to the member bodies for approval before their acceptance as International Standards by the ISO Council. They are approved in accordance with ISO procedures requiring at least 75 % approval by the member bodies voting.

International Standard ISO 8732 was prepared by Technical Committee ISO/TC 68, *Banking and related financial services*.

Users should note that all International Standards undergo revision from time to time and that any reference made herein to any other International Standard implies its latest edition, unless otherwise stated.

Contents

	Page
Introduction	v
Section 1 : General	
1 Scope and field of application	1
2 References	1
3 Definitions	1
4 Abbreviations	3
5 Key management facility	5
6 Requirements of cryptographic equipment	5
7 Keying material	6
Section 2 : Manual distribution of keying material	
8 Despatch of manually distributed keying material	7
9 Receipt of manually distributed keying material	7
Section 3 : Automatic distribution of keying material	
10 Requirements for the automated key management architecture	9
11 Automated key management architecture	9
12 Encipherment and decipherment of keys and initialisation vectors	11
13 Cryptographic Service Messages	15
14 Generation of Cryptographic Service Messages	30
15 Processing Cryptographic Service Messages	49
Annexes	
A An example of manual key distribution and control procedures	71
B Notation	73
C Pseudo-random key and IV generator	75
D Windows and window management	77
E Dual Key Translation Centre application	79
F Keying material. Guidance on clearing and destruction procedures	81