Implementation of Bio-metric Seafarers Identity Document in India

Background

The Convention No. 185 of the International Labour Organization on SID promotes:

- Security against potential threats of international terrorism
- Introduces modern security features of the BSID
- Requiring a record of each BSID issued to be maintained in a national database, with the related information to be internationally accessible.

Background cont..

Requiring the issuing Government to have processes and procedures which are subject to international oversight and ensure the reliability of the identification of the holder of the BSID, while protecting the holder's dignity and privacy.

India happens to be an important seafarer supplying nation contributes about 10 % share of global seafarers.

Engagement of Indian Sefarers of Indian Flag / Forign Flag Ship During 2013-2018
250000
200000
150000
100000
50000
0
103835
117090
126945
143940
154349
208799
2013
2014
2015
2016
2017
2018

Growth in Supply of Indian Seafarer

RANK	2013	2014	2015	2016	2017	2018
NAUTICAL OFFICERS	26742	28805	30520	33346	34417	40897
NAUTICAL RATINGS	36910	44548	49144	56916	63520	97703
ENGINEERING OFFICERS	26995	28968	31377	35230	36760	44388
ENGINEERING RATINGS	13188	14769	15904	18448	19652	25811
TOTAL OFFICERS	53737	57773	61897	68576	71177	85285
TOTAL RATINGS	50098	59317	65048	75364	83172	123514
TOTAL	**103835**	**117090**	**126945**	**143940**	**154349**	**208799**

Background cont..

Steps Initiated for implementation of SID

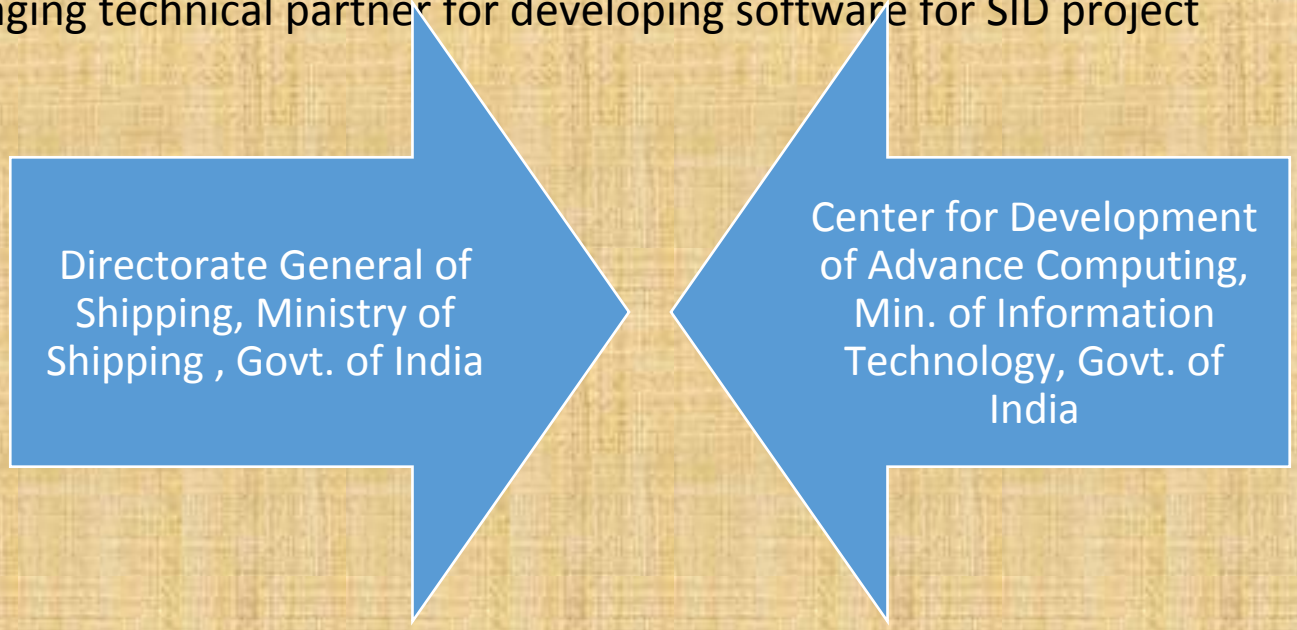
Amendment in the Merchant Shipping Act, 1958

Convention No. 185 of ILO on BSID has been ratified by India on 9th October 2015

The Merchant Shipping (Seafarers Bio-metric Identification Document) Rules, 2016 have been notified.

Background contd..

- Engaging technical partner for developing software for SID project



Implementation Strategy & Targets

The issuance of SID involves the collection of biometric and demographic details of the seafarers, their verification and then issuance of SID to them.

For issue of Biometric Seafarers Identity Document, nine data collection centers have been setup at Mumbai, Kolkata, Chennai, Noida, Goa, New Mangalore, Kochi, Vizag & Kandla.

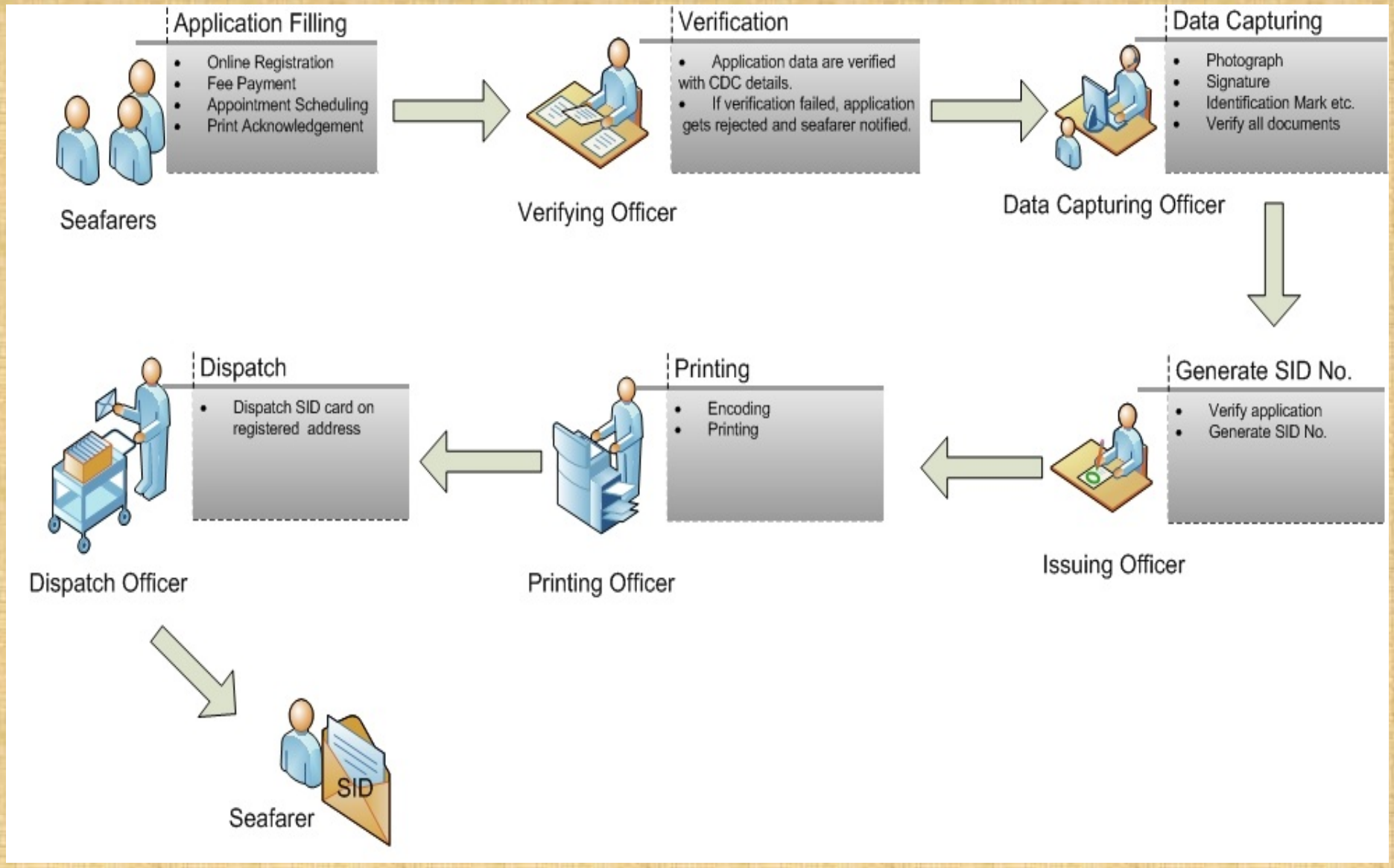
The total number of Indian national seafarers who will be required to be issued SIDs will be around 3,50,000 and continue issuance of SIDs to around 15000 new seafarers annually thereafter.

Roll out of SID

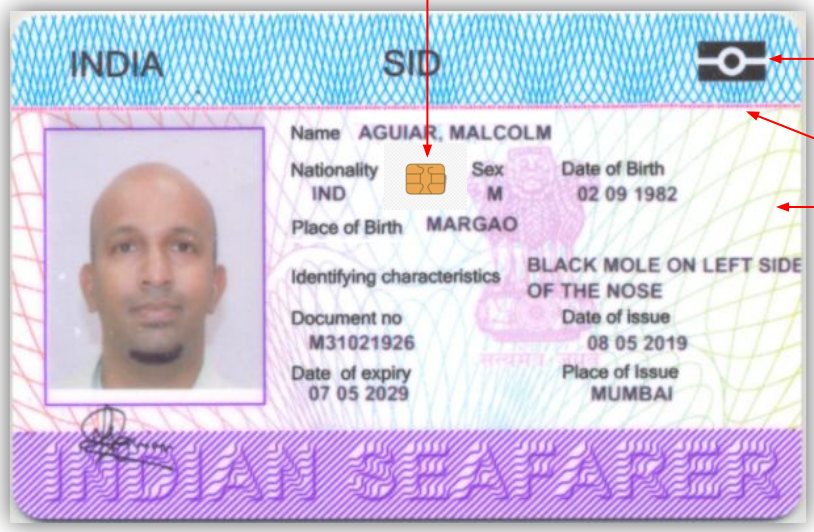
- Bio-metric Seafarers Identity Document to be issued to the seafarers in possession with a valid Continuous Discharge Certificate issued by the Govt. of India. Any Indian National seafarer in possession with a valid Continuous Discharge Certificate (CDC) issued by Govt. of India shall be eligible for issuance of a Seafarers Identity Document.

- The software for capturing the facial biometrics and authentication through the public key infrastructure has been developed. Pilot project for the scheme at three locations started in April,2019.
- Six more locations for collection of bio-metric data added this month.
- It is targeted to provide the BSID to existing 3.5 lacs seafarers in two years time period.

SID Workflow



SID Card Security Features



- Contact less 80K chip module embedded)
- Chip in Card Symbol
- Micro prints / micro texts
- Unique Guilloche pattern

Security mechanism in SID card (inside Chip):

- ✔**Privacy:** through basic access control (BAC).
- ✔**Authenticity:** through digital signatures
- ✔**Clone detection:** through validation of document signer certificate (DSC) and Country Signing certificate Authority(CSCA)

- Machine Readable Zone (MRZ)

Thanks