

SILTERRA



Strategic Trade Act (STA) 2010 Internal Compliance Program (ICP)

By Ahmad Shah (21JAN2014)

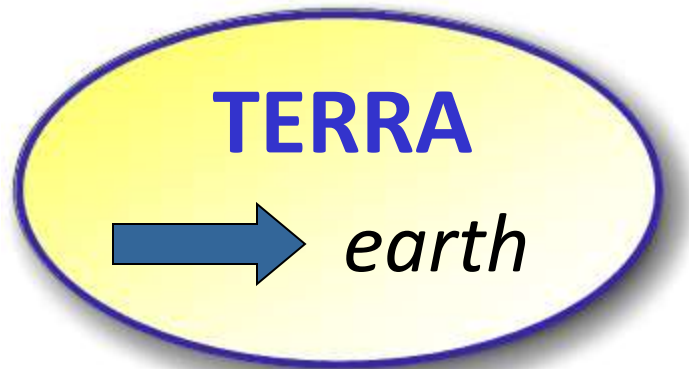
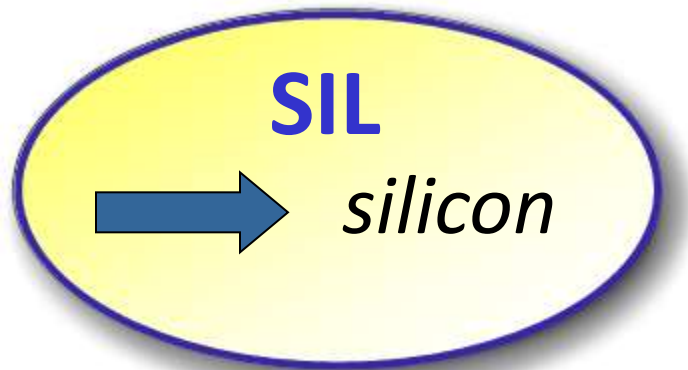
Department Shipping & Import/Export Compliance

Foundry Partnership For Success

Outline

- Introduction
 - Company Background and Location
 - Vision and Mission
 - Inside the Fab
- Silterra's Foundry Business
 - Our Products
 - Target Markets
- Contributions to the Nation
- Internal Compliance Program (ICP) in Silterra's

WHAT'S IN OUR NAME?



Company Background:

"A Project of Strategic National Interest"

–Malaysian government 2020 vision

–Khazanah as Major Shareholder

- Corporate headquarters in Kulim Hi-Tech Industrial Park, Malaysia
 - Worldwide reachable Sales office in the U.S. and Taiwan
 - Business Partners in China, Japan, Korea & Europe

■ Groundbreaking May 1999

■ Production started in Q1 2001

- ISO 9001:2008 and ISO 14001 certified
- IECQ QC80000 
- Member of Malaysia Productivity & Innovation Class (MPC) 



■ Employees 1200++

■ Advanced CMOS process technologies

- Leading foundry-matched logic technologies
- Mixed-signal and high-speed RF modules
- Leading-edge high voltage processes



Mission

- Deliver world-class semiconductor manufacturing services to our customers;
- Provide our customers with outstanding customer service, logistics, and IP support;
- Make Silterra a profitable enterprise that is continuously growing with innovation and knowledge and maximize the return on investment for our shareholders.

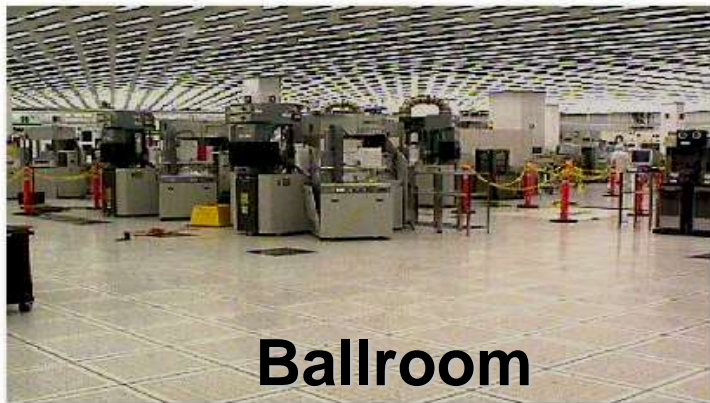
Vision

Make Silterra the cornerstone for expanding the Malaysian Semiconductor Industry.

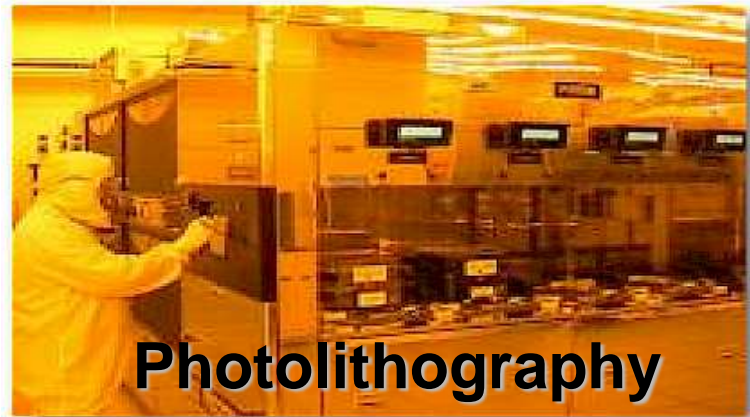
FAB IN KULIM HI-TECH PARK



World Class Wafer Manufacturing



Ballroom



Photolithography



Etch



Implant

ADVANCED MANUFACTURING



Chemical Mechanical Polishing



Thin Film

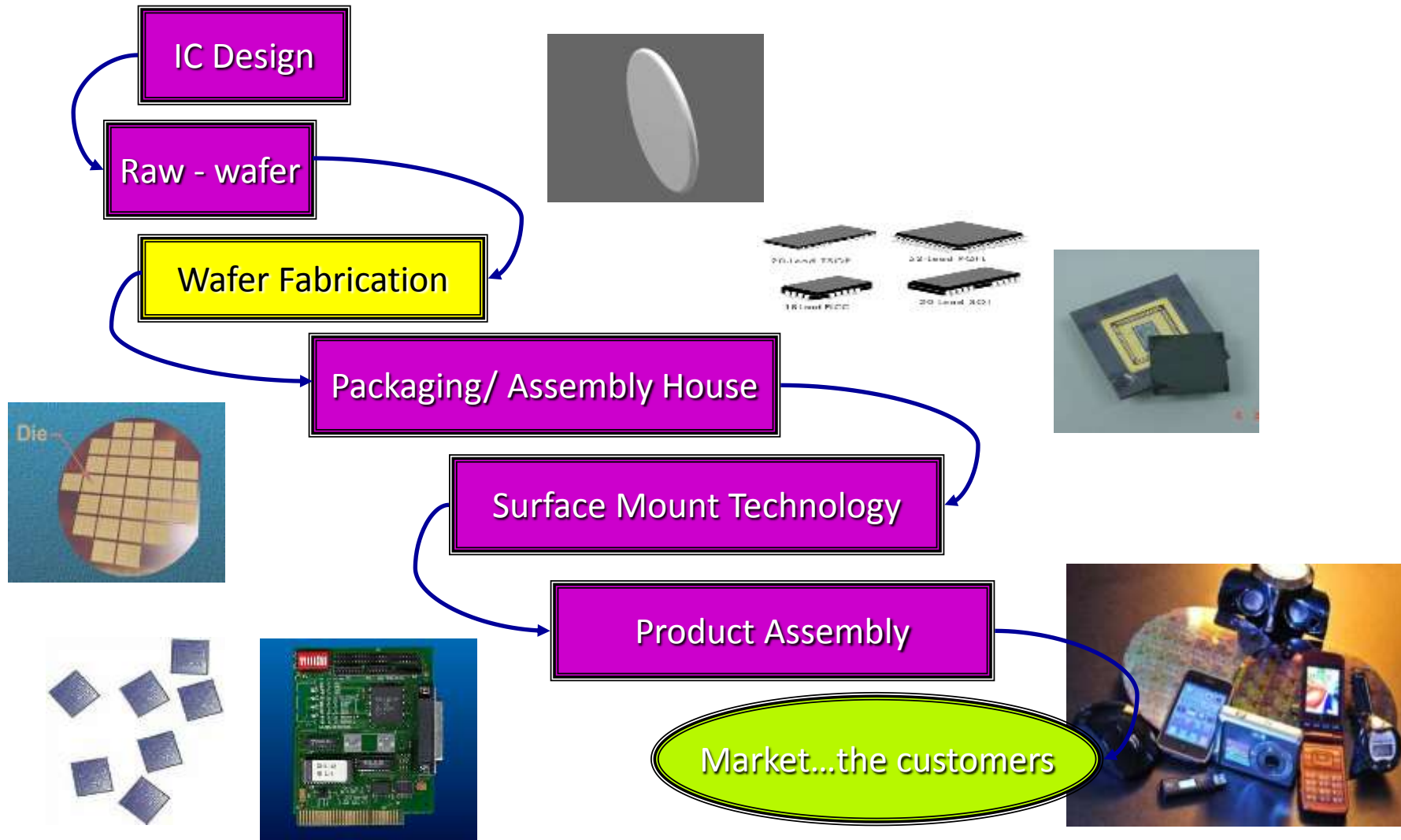


Wet Clean

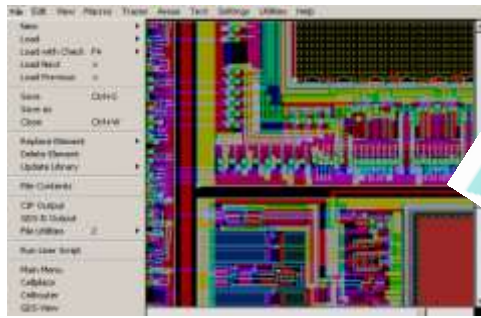


Contamination Free Manufacturing

WHERE ARE WE IN THE INDUSTRY?

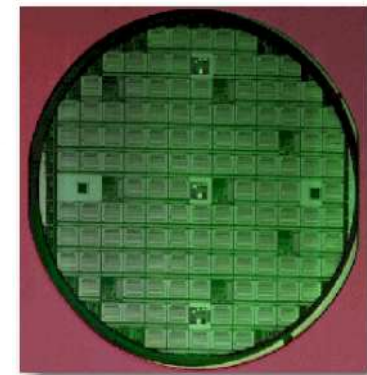
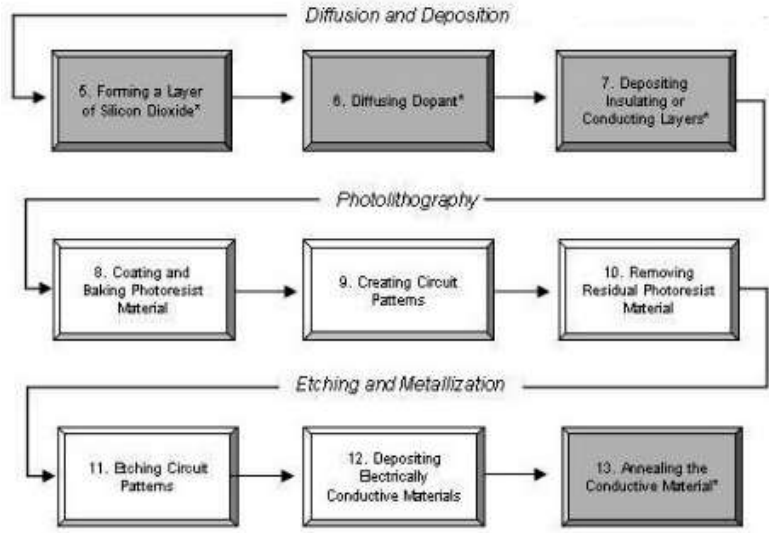


OUR PRODUCT – FABRICATED WAFERS

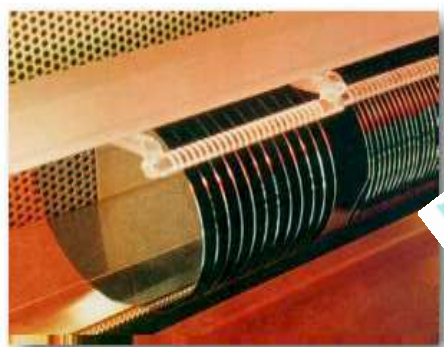


IC Design

Fabrication



Processed Wafers



Blank/Raw Wafers

CT: 40-60 days
Process steps: 400-600
WIP: 60K Wafers

Moves/day: 150K
Fab Outs: ~1K/day
Line Yield: >98%

OUR TARGET MARKETS

- PCIe-SATA Bridge
- PCIe-USB Bridge
- SSD Controller
- ROM/RW Drive
- Memory Controller



- Ethernet (10/100/1000)
- Broadband (xDSL)
- Baseband
- Home Gateway

- WLAN
- RF Transceiver
- Wireless USB
- Zigbee

- Set-top box
- PMP / MP3 player
- Digital TV
- DVD player/recorder
- Digital Photo Frame
- Display Driver

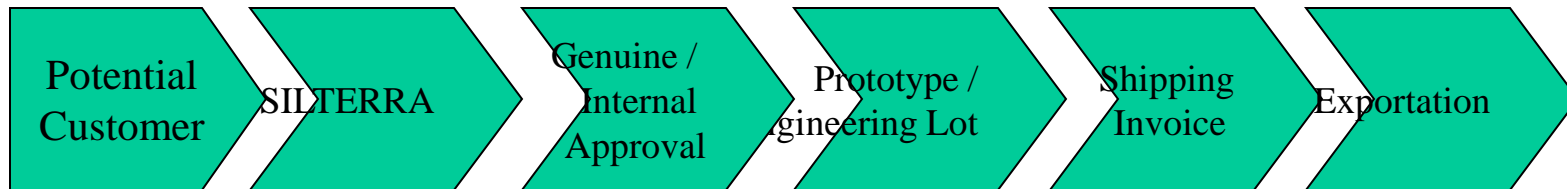
CONTRIBUTIONS TO THE NATION

- Enhance Malaysia's position in the global semiconductor map
- Trained >400 Malaysian engineers in IC fabrication process
- Catalyst for the development of the IC design industry
- Platform for synergistic-development activities with supporting industries & institutions of higher learning

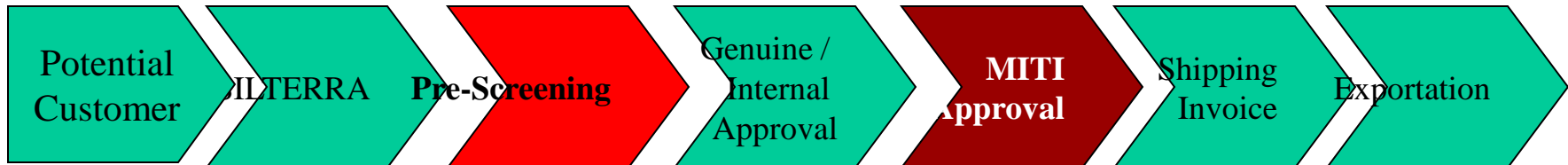


STA 2010 Internal Compliance Program (ICP) in SILTERRA

Before STA 2010:



After STA 2010:



STA 2010 Internal Compliance Program (ICP) in SILTERRA

- A set of procedures that have to be implemented within a company before an item is exported using Single-Use Permit or [Multiple-Use Permit](#) or [Bulk Permit](#) or Special Permit from MITI.
- The procedure in place ensures that the company complies with the Strategic Trade Act (STA) 2010 and associated Regulations / Orders.
- Control Methods:
 - ✓ Manually ([currently for Silterra's : Semi-Automation](#))
 - ✓ Electronically
- Internal Compliance Program (ICP) Checklist:
 - ✓ Company Policy / Management Commitment
 - ✓ Pre-Screening/Screening Process
 - ✓ Training/Awareness Program
 - ✓ Record Retention
 - ✓ Internal Audit / External Audit / MITI Audit
- Guideline and Checklist on ICP is provided in the MITI website – STA 2010.

STA 2010 Internal Compliance Program (ICP) in SILTERRA

01st January, 2012: Request for Company Details Form

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www.silterra.com
Shipping Department

Request for *Extra* Company Details Form Malaysian, Strategic Trade Act 2010 (STA 2010) Export Permit

Request for Company Details Form Malaysian, Strategic Trade Act 2010 (STA 2010) Export Permit

SILTERRA
www.silterra.com
Shipping Department

Company Full Name	:	
Company address	:	
Telephone	:	
Fax	:	
Authorized Person Name	:	
Designation	:	
Email address	:	
Website address	:	

Company Full Name	:	
Company address	:	
Mailing Address	:	
Founded	:	(Please fill in the date and year established)
Nature of Business	:	
Product Manufactured / Supply	:	
Total Employees	:	
Subsidiaries / Branch	:	
Person In Charge	:	
Contact Number	:	
Fax Number	:	
Authorized Signature	:	
Company Stamp	:	

STA 2010 Internal Compliance Program (ICP) in SILTERRA

June, 2013: Pre-Screening/Screening Process

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CUSTOMER / VENDOR PRE-SCREENING FORM STRATEGIC TRADE ACT 2010

Customer's/Vendor's Company Name	:	
Customer's/Vendor's Company Address	:	
Customer's/Vendor's Contact Number :		
Telephone #	:	
Fax #	:	
Mailing Add	:	
Webmail Add	:	
Customer's/Vendor's Nature Of Business	:	
Product Manufactured / Supply	:	
Customer's/Vendor's Checklist	:	

SCREENING CHECKLIST

No	Core Elements	Check/Screening		
		Yes	No	Red Flag
1.	End user screening via MITI links – Restricted End-User & Prohibited End Use via MITI website : http://www.miti.gov.my/cms/content.jsp?id=com.tms.cms.section.Section_410735b5-c0a8156f-2f7b2f7b-c9880c26	√		
2.	Screening against all applicable list on restricted or prohibited countries (North Korea / Iran / Congo / Ivory Coast / Lebanon / Sudan / Afghanistan / Iraq / Liberia / Rwanda / Somalia / Eritrea and Libya) via MITI links – Restricted or Prohibited Countries : http://www.miti.gov.my/cms/content.jsp?id=com.tms.cms.section.Section_410735b5-c0a8156f-2f7b2f7b-c9880c26			
3.	Screening against all applicable list on restricted or prohibited item : http://www.miti.gov.my/cms/content.jsp?id=com.tms.cms.section.Section_410735b5-c0a8156f-2f7b2f7b-c9880c26			
4.	Screening on final country of destination http://www.miti.gov.my/cms/content.jsp?id=com.tms.cms.section.Section_410735b5-c0a8156f-2f7b2f7b-c9880c26			

STA 2010 Internal Compliance Program (ICP) in SILTERRA

June, 2013: Pre-Screening/Screening Process

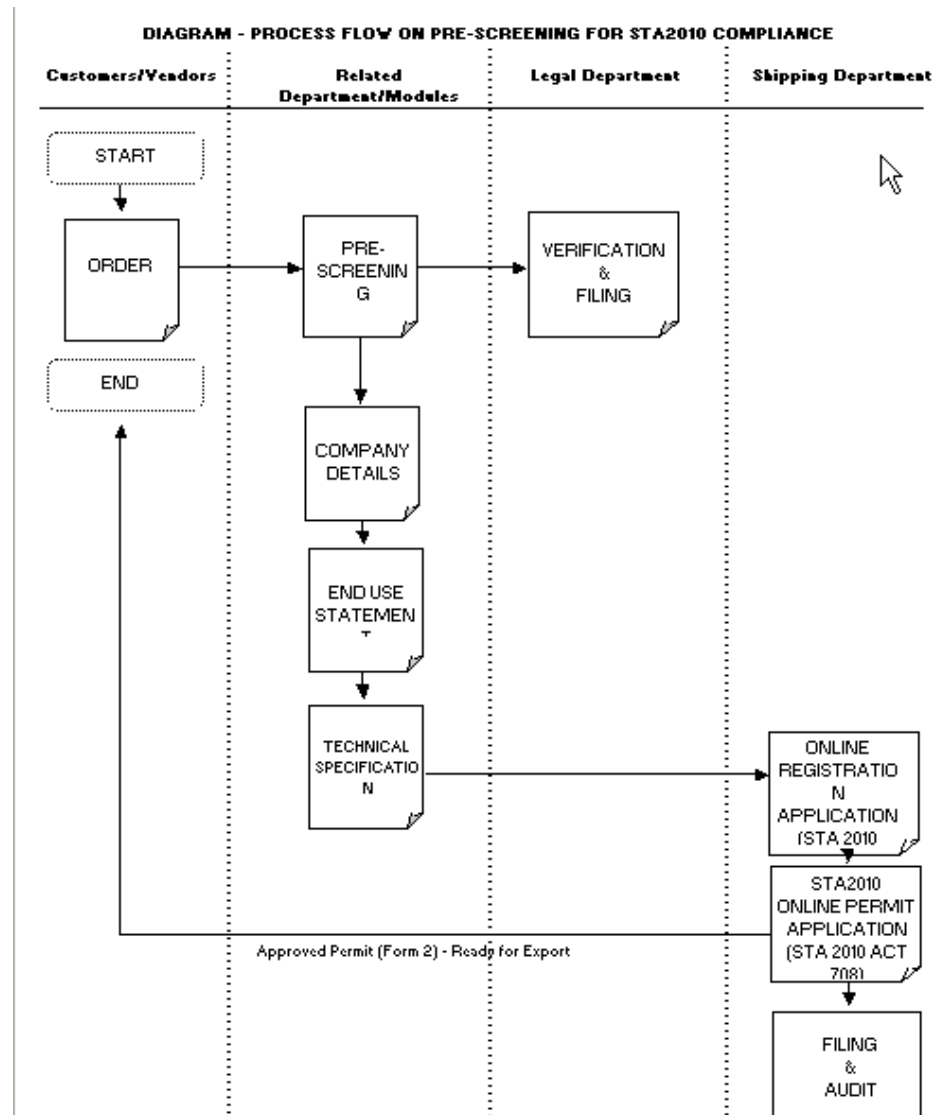
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5.	Screening on shipping procedures (Compliance with law & regulation)			
6.	Screening on terms of sales (Payment term and condition)			
7.	Suspicious shipment route to end user (Shipping route to end user e.g via prohibited countries)			
8.	Is the Customer's/Vendor's related to military business or under the control of the Defense Ministry or armed forces			
9.	Item purchased will not be used for WMD or other illegal purposes			
10.	Is the identity of the Customer's/Vendors or end user requesting the item transparent (Purpose of buying)			
11.	Is there any intermediary agent involved (Prohibited person)			
12.	Have the non-proliferation credentials of the recipient country been thoroughly screened (Country background – Militant or WMD based)			
13.	The Customer's/Vendor's or purchasing agent is reluctant to offer information about end-use of the item			
14.	The product capabilities do not correspond with the buyers stated line of business			
15.	Customer's/Vendor's understood and aware on the item purchased is under controlled items or strategic trade item accordingly to STA2010 Act. http://www.miti.gov.my/cms/content.jsp?id=com.tms.cms.section.Section_356e3af1-c0a81573-272f272fb7977e99			

Silterra shall take all necessary measures and ensure that the Customer's/Vendor's is not listed under STA2010 Restricted End-User & Prohibited End-Users or any activities towards WMD – Weapon Mass Destruction and the Customer's/Vendor's shall take all necessary measures and ensure all activities are meant only for legitimate business only.

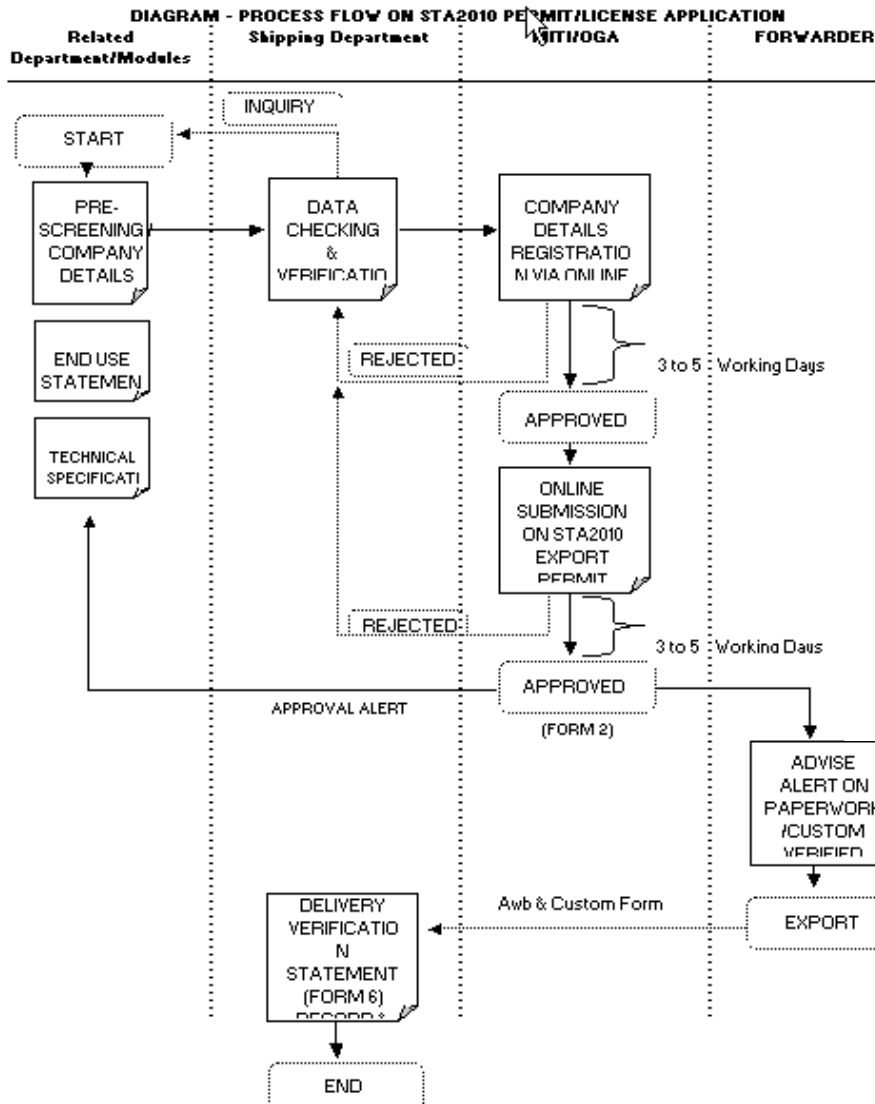
STA 2010 Internal Compliance Program (ICP) in SILTERRA

June, 2013: Pre-Screening/Screening Process



STA 2010 Internal Compliance Program (ICP) in SILTERRA

June, 2013: STA2010 Permit Application



16. **Compliance.** Neither Silterra nor Customer shall, directly or indirectly, participate in any way in any transaction involving any commodity, software or technology (hereinafter collectively referred to as "item") exported or to be exported from Malaysia that is subject to the Strategic Trade Act 2010 [STA 2010] or in any other activity subject to the STA 2010.

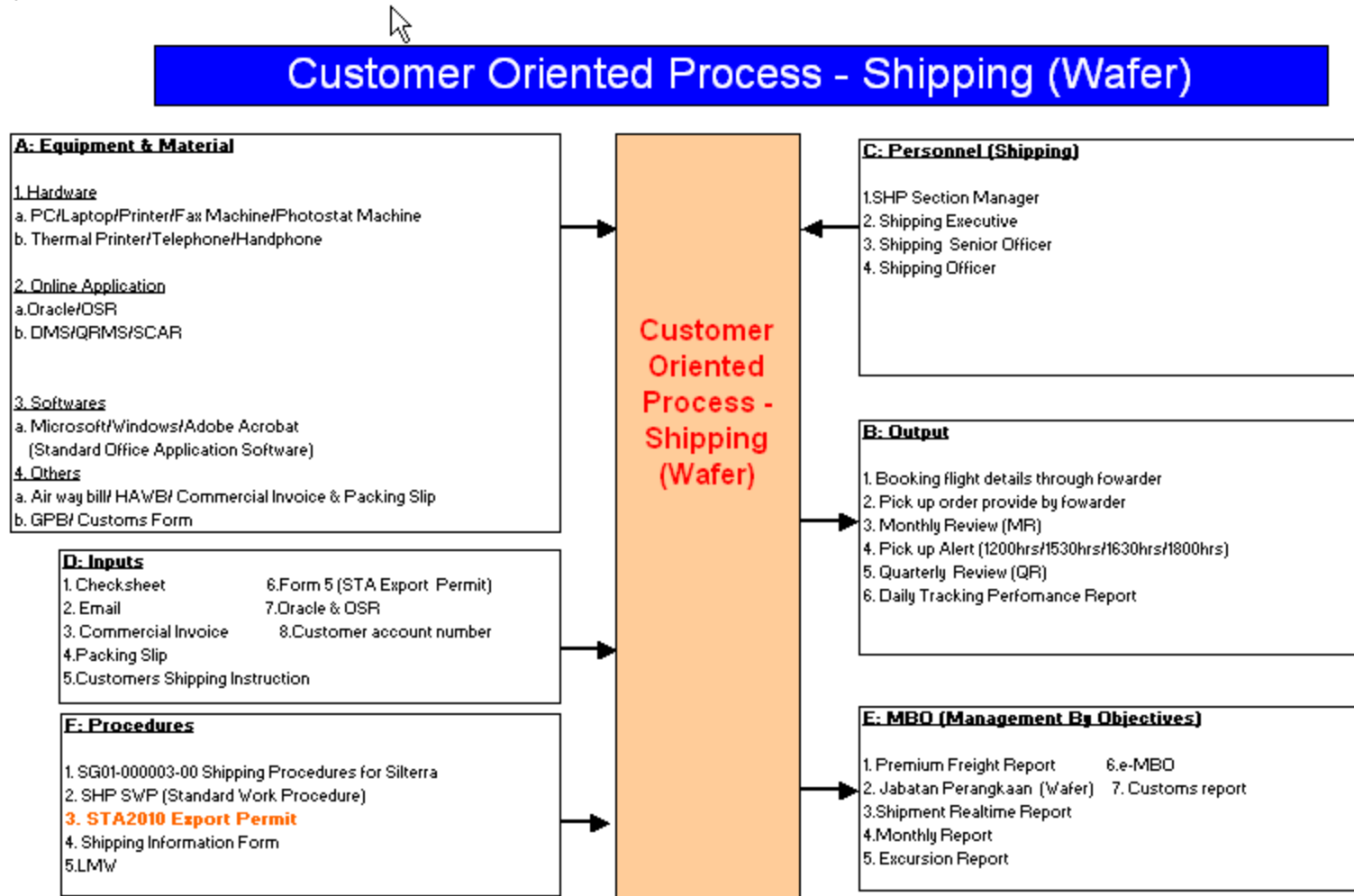
Silterra shall take all necessary measures and ensure that the Customer is not listed under STA 2010 RESTRICTED END-USER & PROHIBITED END-USERS or any activities towards WMD – Weapons Mass of Destruction and the Customer shall take all necessary measures and ensure all activities are meant for legitimate business only.

STA 2010 Internal Compliance Program (ICP) in SILTERRA

November, 2013: Turtle Diagram

TQ01-000006-01

Rev 1



STA 2010 Internal Compliance Program (ICP) in SILTERRA

01st. January, 2014: **Policy**

Strategic Trade Act (STA) 2010) Policy

In line with Malaysia's National Security and international obligation, we are committed to take and enforce effective measures that controls the export, transshipment, transit and brokering of strategic items and technology, including arms and related material, as well as activities that will or may facilitate the design, development, production and delivery of weapons of mass destruction (WMD).

STA 2010 Internal Compliance Program (ICP) in SILTERRA

Since Year 2011: Training/Awareness Program



MY INTRANET

**TALENT WINS GAMES
BUT TEAMWORK & INTELLIGENCE
WIN CHAMPIONSHIPS**

Home | Policy & Specs | Online Applications | Forms | Fileshare | Corporate Structure | Phone Directory | Silterra.com

- Latest in Intranet**
 - NEW DMS User Guidelines
 - Silterra Bulletin
 - Press Release
 - Silterra e-Newsletter
 - Silterra Core Values
- Emergency Contact No**
 - ECS (Security): 5999 OR 04-401 5012
 - EMCS (Facilities): 5555 OR 04-401 5555 OR 012-4788026
 - In-plant clinic: 5959 OR 04-401 5959
- General**
 - Online Carpool
 - Company Old MRO & New MRO System
 - Important Virus Info
 - List of Public Holidays 2013
 - List of Public Holidays 2014
 - Scrap Reduction Awareness
 - Cost Reduction Suggestion
 - HR Dashboard
 - Silterra Template
 - Strategic Trade Act 2010
- Our Achievements**
 - ANAB ISO 9001:2008 Certification
- Health Info**
 - Influenza A H1N1 Crisis Response Plan &
- Environment, Health & Safety**



STA 2010 Internal Compliance Program (ICP) in SILTERRA

Since Year 2011: Record Retention

Quality Records Management System Link



Record Master List

01 Welcome to QRMS

This application supports SQ40-000002-00 Control of Quality Re
000003-00 Document Archive Procedure. It covers:

- Masterlist of quality records retained
- Request for updating the above masterlist
- Request for record disposal

All activities carried out in QRMS is tracked accordingly.

Records Master List:

Record ID (RID): e.g: R1234 Status:

Record Name: Area:

 Owner/PIC:

#	RID	Ver#	Status	Area	Owner-PIC	Record Name
1)	R0817	0	ALIVE	Shipping	ahmad_shah / mohd_hazreel / kartina_abdullah	Wafer
2)	R0818	0	ALIVE	Shipping	ahmad_shah / mohd_hazreel / kartina_abdullah	Non-Wafer
3)	R0819	0	ALIVE	Shipping	ahmad_shah / kartina_abdullah / mohd_hazreel	General

STA 2010 Internal Compliance Program (ICP) in SILTERRA

Challenges:

- END-USE STATEMENT (EUS FORM) endorsement by the customers
 - Various departments.
 - Questions from customers.
- Ad-Hoc Shipment (Engineering Lots / Prototype Lots).
 - Seeking faster approval from MITI.
- Participation from various departments in Silterra's
 - Modules / Technical Group
 - Support Group.

TERIMA KASIH

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