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GREETINGS

CUSTOMS MODERNISATION

Role of the Private Sector

Presented by

Ms Catherine Quek
Senior Manager, Business Development
Government Sector
NCS Pte Ltd

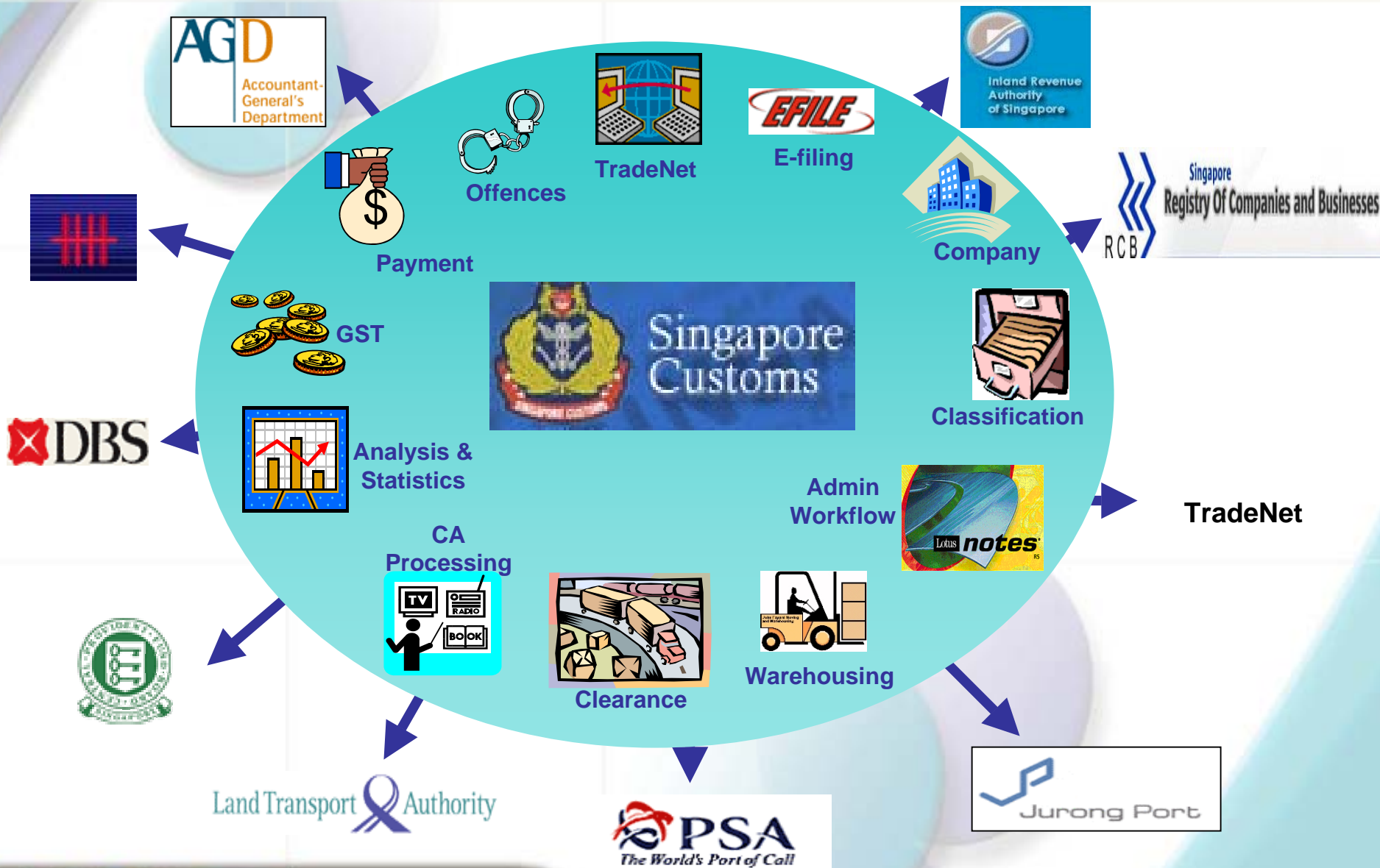
26 January 2005



AGENDA

- :: NCS Customs Experience
 - Singapore Customs
 - Hong Kong Customs
- :: NCS and Singapore Customs

Our Expertise



Our Experience



Hong Kong CSI

to transmit advance cargo
information received from
HK carriers/NVOCCs



Hong Kong



HK Customs

for identifying high-risk container
destined for US ports by online
screening of the received advance
cargo information at their computer
workstations.



US Customs

←
Leased line



AGENDA

- ∴ NCS and Singapore Customs
 - SC IT Journey
 - TradeNet[®]
 - Inventory Control
 - Revenue Management
 - Company Registration
 - Cargo Pre-Clearance & Clearance
 - Post Clearance

Singapore Customs' IT Journey

- Phase 1 – 1981 to 1990
 - Automated essential areas in its operations to eliminate tedious & time consuming manual processes
- Phase 2 – 1988 to 1996
 - Integrated its systems (including TradeNet[®]) to better support its operations
- Phase 3 – 2000 to 2003
 - Enhanced the use of information captured from various systems for business intelligence/risks profiling
- Phase 4 – 2003 – ongoing
 - Revamped and rebuilt based on streamlined key processes

TradeNet[®]

- TradeNet[®] today involves multiple parties

– Front-end



- IPACs
- PortNet
- SCS
- CL

– VAN



- CL

– Back-end

- NCS



- IPACs

- A subsidiary/close partner of NCS
- Contributed more than 60% of existing TradeNet[®] transactions

TradeNet[®] Back-end

- World's first nation-wide EDI system to exchange and process trade documents, such as import, export, transshipment and container submissions.
- First implemented Jan 1989.
- Operates 24x 7 with 24x7 helpdesk support.
- Over 15 years' history, at least 7 major upgrades
- Messages are validated against thousands of complex and inter-dependant processing rules before approval or rejection.
- More than 95% of messages are processed in less than 1 minute.
- Connected to more than 20 Customs in-house processing systems.
- Approximate 1000 Users from government agencies

TradeNet[®] Back-end

- **TradeNet[®] System Evolution**
 - Started with Manual Permit System (counter sys) in early 1980s
 - Version 1.0 in 1987/8 – introduction of EDI
 - Version 1.4 in 1988/9 – improved validations
 - Version 1.5 in 1990 – improved validations
 - Version 1.6 in 1991 – introduced permit amendments
 - Version 1.7 in 1994 – major upgrade due to GST
 - Version 1.8 in 1997/8 – introduced permit cancellation
 - Version 2.0 in 2000 - interactive TradeNet
 - reduces permit processing time from hrs to a few minutes
 - A very major change/upgrade
 - Version 3.1 in 2003 – incorporated export control consignment system (ECCS) & the new HS-code (AHTN – Asean Harmonized Tariff Nomenclature)
- These changes involve significant changes to Customs processes and TradeNet[®] backend

Inventory Control Systems

- Used to control goods movement in all warehouses
- Managing different classes and nature of goods
 - eg dutiable goods, non-dutiable goods
- Designed to assist in handling every aspect of inventory management
 - ability to track every step in inventory life cycle from the time a permit is approved to the moment the goods are moved out of the warehouse for export out of Singapore or to the local market
- Provides stock information for accurate and up-to-minute information on:
 - quantity, location, condition, status of the stock and warehouses

Revenue Management

- A central place for processing Inter-Bank Giro (IBG) transactions from various systems
- Process IBG transactions
 - Transmit to bank for actual GIRO deduction
 - Send notification to the public on deduction information & status
 - e.g unsuccessful deduction
- Able to notify staff of IBG failures for follow up actions
- Process & collect default payments for unsuccessful deductions
- Allows authorized waiver of default payment & send notification to public
- Interfaces to various government agencies and banks
- Information used by other systems for business validations

Company Registration

- Registers & maintains profiles of companies that wish to trade in Singapore
- Interfaces with TradeNet[®] and a few government agencies to receive the daily updates of company profiles
 - ACRA (former Registry of Companies and Businesses)
 - Inland Revenue Authority of Singapore (IRAS),
- Manages BG registration, renewal and cancellation
- Has capability to recommend renewal BG quantum & waiver based on multi-tier criteria matrix, past transactions and company compliance records
- Information kept used for business processing
 - Permit Processing
 - Revenue Collection
 - Analysis and decision making ..etc

Cargo Pre-Clearance & Clearance

- Highly critical system, operating 24x7 hrs
- Enable enforcement activities
 - protect revenue and prevent smuggling of goods subject to import duty and GST
 - control movement of goods at checkpoints
 - enable effective target, monitor, track and supervise movement of consignment in and out of Singapore
- Linked with Port Operators
 - direct the containers to the correct lanes (Green, Red or Scanner lane) for smooth containers' flow at checkpoints
- Screens & targets containers imported, transshipped and exported through Singapore
- Clearance information used by Customs backend systems for checking
 - eg Permit Utilization, amendment and cancellation of permits, management of technical offences

Post Clearance

- A cargo accounting system to track offences and enforcement actions
 - to track any non conformance in the execution of any permits by the traders.
- It automatically issues reminder letters, warning letters and compound letters for non-compliance
- Post clearance information used by systems for permit processing

NCS Value Proposition

- Sole provider of IT services to Customs over 20 years
 - The NCS Team in Customs started in 1980s
- Sound domain knowledge on Customs business
- In-depth knowledge of current and future technologies





*Meeting today's challenges,
preparing for the future.....*



THANK YOU

Let Us Create & Build
eCustoms
Together

