



Data Quality and Metadata



Bank of Thailand's

International Trade Statistics



Discussion topics



1

Data Sources

2

1st Verification @ Compilation Stage

3

2nd Verification @ Output Stage

4

Revision Policy & Revision Study

5

Metadata



1. Data Sources



Main Source

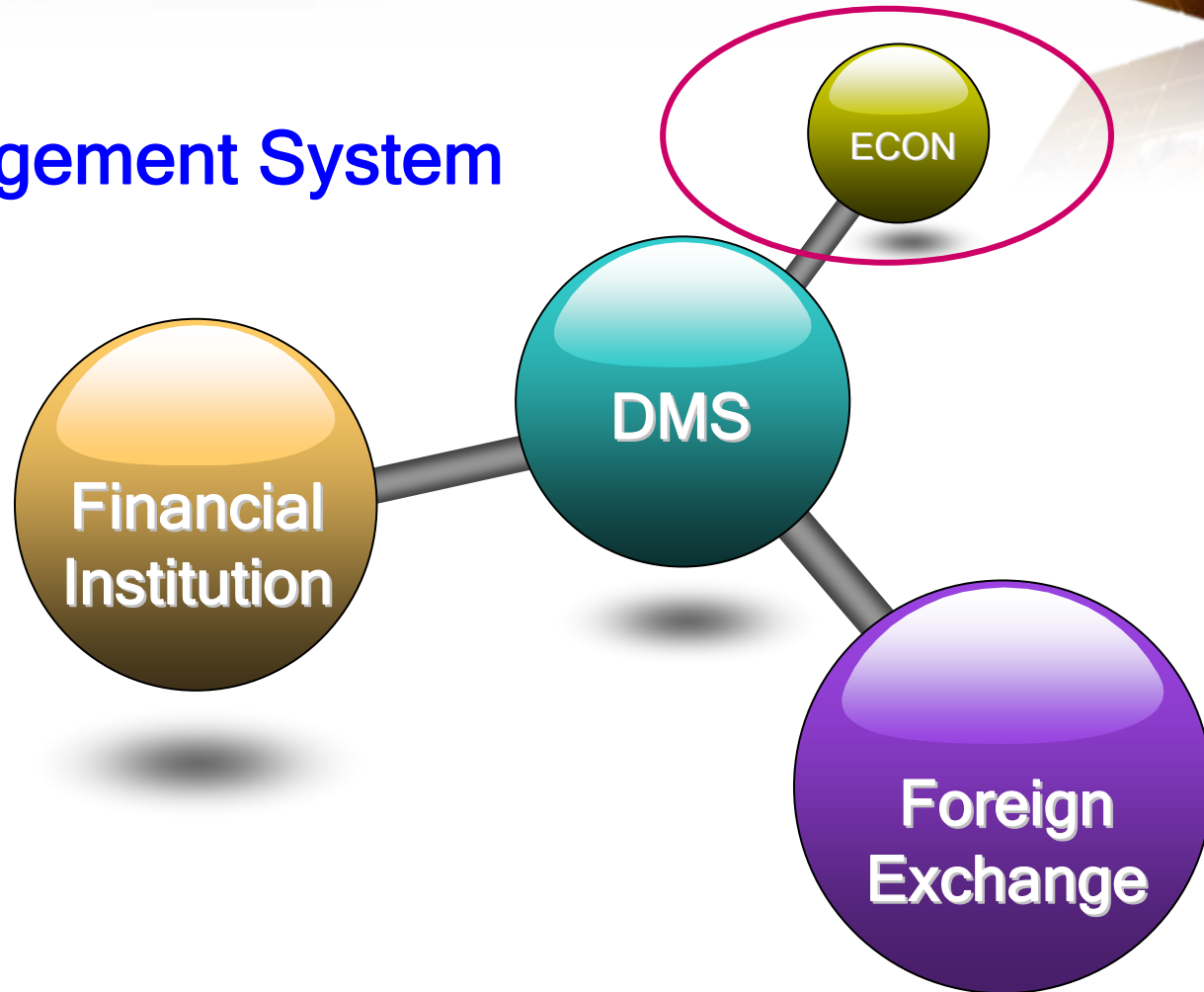
- Customs Department
 - Monthly data
 - Timeliness ~ 20 days
 - Commodity = by 11-digit HS
 - Measurements
 - Value in THB equivalent
 - Weight (in KG)
 - Quantity in units suggested by WCO
 - Data Dimension
 - HS - Country
 - Currency
 - Mode of Transport

Supplementary Sources

- Gov't agencies & State Enterprises
 - Aircraft
 - Military equipment
 - Electricity
 - Satellite
 - Oil rig
 - Private corporate
 - Aircraft
 - Satellite
- < = adjustment at aggregate level for BOP basis >

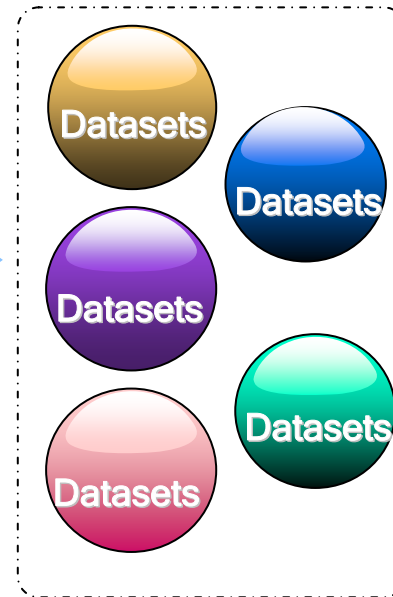
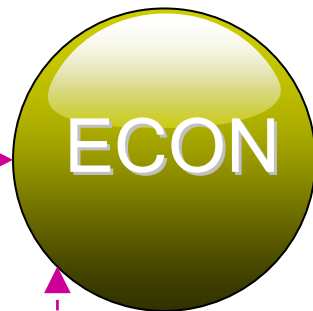
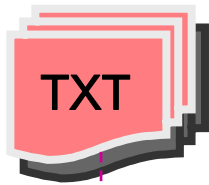
2. 1st Verification @ Compilation Stage

Data Management System
(DMS)





2. 1st Verification @ Compilation Stage (cont.)



Stat Tables

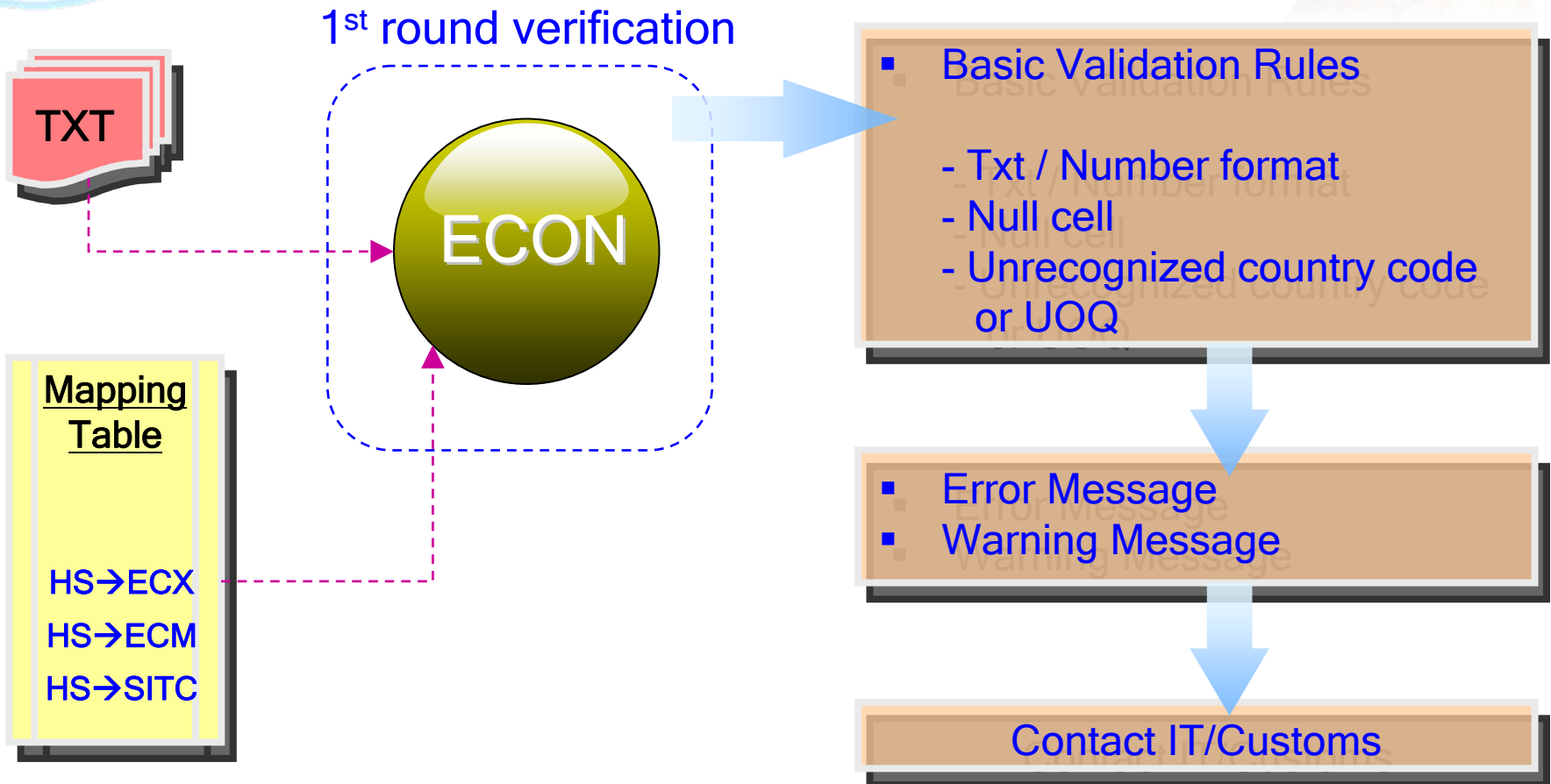


Dissemination on
BOT's Website

<u>Mapping Table</u>
HS→ECX
HS→ECM
HS→SITC



2. 1st Verification @ Compilation Stage (cont.)





3. 2nd Verification @ Output Stage



2nd round verification

- X, M Classified by EC
 - %Δ YOY
 - Unit Value
 - Cross checked with major exporters/importers
 - Coordinate with MOC



Ad hoc Query

Stat Tables

- Retrieve “doubtful” record from the database

Contact Customs

Dissemination on BOT's Website



4. Revision Policy & Revision Study



- Revision Policy
 - Data for previous year = revise in September
- Revision Study
 - Statistical test of X, M (together with other major BOP account items)
 - Result = minimal revision size (~ 1% of total value)
 - No particular pattern (= not consistently overestimated or underestimated over a long period of time)
 - Initial development of revision study frame ----> not yet disseminated

4. Revision Policy & Revision Study (cont.)

Revision Policy

Statistics - Microsoft Internet Explorer

Address: <http://www.bot.or.th/ENGLISH/STATISTICS/Pages/index1.aspx>

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Service Manager: [Wanchai \(66\(0\)2283-5634\)](mailto:Wanchai) [Sornchai \(66\(0\)2283-5999\)](mailto:Sornchai)

Statistics

These statistics comprise data series compiled by the BOT in accordance with international standards as well as statistics compiled by other agencies. The BOT strives to maintain adequate source of quality data for the purpose of monitoring economic conditions, implementing monetary policy, fulfilling other responsibilities as the central bank of Thailand, and to serve general public for their statistical use. The BOT reserves its exclusive right in its sole discretion to compile, alter, or discontinue data dissemination.

Financial Markets Statistics cover money market, capital markets and foreign exchange markets.

Payment Systems Statistics cover statistics from Payment Systems which are operated by Bank of Thailand.

Economic and Financial Statistics cover statistics employed in monitoring monetary and economic conditions, in compliance with the IMF's Special Data Dissemination Standard (SDDS).

Regional Economic and Financial Statistics compiled by the BOT's regional offices cover data and economic analysis of the northern, northeastern, and southern region of Thailand.

Financial Institutions Statistics cover financial positions and operations of financial institutions, both at the aggregate and sub-group level.

Key Economic Indicators cover a set of statistics and indicators of various economic sectors, regularly used by the BOT and external users.

Frequently Used

- Daily Foreign Exchange Rates
- Daily Interest Rates of Commercial Banks
- Fee Rates
- International Reserves
- Inflation
- Prices of Gold in Bangkok Metropolis

Standard of Compilation & Dissemination

- Code of Practice Special Data
- Dissemination Standard (SDDS)
- Report on the Observance of Standards and Codes (ROSC)
- Revision Policy
- Thai Accounting Standard compare to International Financial Reporting Standard

Under no circumstances shall BOT be liable for any loss, damage, liability or expense incurred as a result of use of these data disseminated on the BOT website (more on [Terms and Conditions](#))

4. Revision Policy & Revision Study (cont.)

TABLE 3 : Dissemination and Revision of Foreign Trade and Balance of Payments

Type of Statistics	Periodicity	Timeliness	Release Schedule		Revision Procedure	Dissemination Channel
			Preliminary	Actual		
1. Balance of Payments • Summary • Quarterly	Monthly	2 Months	Last working day of the following month for current account items and last working day of the second month for financial account items. (Historical data for the previous two quarters are revised and disseminated together with the data for the current reference period).	Revision is made in September, 2 years following the first release.	Revision is made to incorporate additional data from: • Non-bank Quarterly External Debt Survey • Public Debt Management Office, Ministry of Finance • State Enterprises • Annual IIP Survey • ITRS (International Transactions Reporting System) • Customs Department • Tourism Authority of Thailand.	• BOT's website • Quarterly Economic and Financial Statistics Bulletin
	Quarterly	1 Quarter	Last working day of the following quarter. (Historical data for the previous two quarters are revised and disseminated together with the data for the current reference period).	Revision is made in September, 2 years following the first release.		
2. Foreign Trade	Monthly	1 Month	Last working day of the following month.	Revision is made at the end of September of the following year.	Revision is made to comply with statistical changes as announced by the Customs Department.	• BOT's website • Quarterly Economic and Financial Statistics Bulletin
3. Trade Indices (Export/ Import)	Monthly	1 Month	-	Last working day of the following month.	-	• BOT's website • Quarterly Economic and Financial Statistics Bulletin

5. Metadata




Statistics - Microsoft Internet Explorer

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Address http://www.bot.or.th/ENGLISH/STATISTICS/Pages/index1.aspx

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Service Manager [Wanchai \(66\(0\)2283-5634\)](#) [Somchai \(66\(0\)2283-59...\)](#)

Statistics

- Financial Markets
 - Economic Indices and Indicators
 - Money and Banking
 - series compiled by the BOT in accordance with international... ed by other agencies. The BOT strives to maintain adequate source...
 - Public Finance
 - External Sector
 - International Trade
 - public for their statistical... or, or discontinue data
 - Balance of Payments
 - Financial Account
 - International Reserves
 - External Debt
 - International Investment Position
 - External Sector (All)
 - Real Sector

Frequently Used

- Daily Foreign Exchange Rates
- Daily Interest Rates Commercial Banks
- Fee Rates
- International Reserv...
- Inflation
- Prices of Gold in Bangkok Metropolis

Standard of Compilation & Dissemination

- Code of Practice

Financial Markets
money market ce... and foreign excha...

Economic and Financial Statistics
Statistics cover statistics employed in monitoring monetary and economic...

Regional Economic and Financial Statistics
compiled by the BOT's regional offices cover data and economic...

5. Metadata (cont.)



International Trade - Microsoft Internet Explorer

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Address http://www.bot.or.th/English/Statistics/EconomicAndFinancial/ExternalSector/Pages/StatInternationalTrade.aspx

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Statistics > Economic and Financial > External Sector > International Trade

International Trade
Export and import of merchandise goods.

Report ID	Report Name	Report Description	Last Updated
EC_XT_001	Trade Classified by Commodity Group		29 Aug 2008
EC_XT_002	Trade Classified by Country		29 Aug 2008
EC_XT_003	Trade Classified by Country (US\$)		29 Aug 2008
EC_XT_004	Imports Classified by Economic Classification		29 Aug 2008
EC_XT_005	Imports Classified by Economic Classification (US\$)		29 Aug 2008
EC_XT_006	Exports Classified by Product Group		29 Aug 2008
EC_XT_007	Exports Classified by Product Group (US\$)		29 Aug 2008
EC_XT_008	Total Value and Quantity of Exports		29 Aug 2008
EC_XT_009	Total Value and Quantity of Exports (US\$)		29 Aug 2008

Printable Format



5. Metadata (cont.)



Metadata	
Table code	EC_XT_003
Title	Trade Classified by Country (US\$)
Frequency ,Lag time and Release schedule	Frequency Monthly Lag time 1 month Release schedule The last business day of the following month
Summary Methodology <ul style="list-style-type: none"> • Analytical Framework, Concepts, Definitions, and Classifications • Scope of the data • Accounting Conventions • Nature of the Basic Data Sources • Compilation Practices 	<p>Foreign trade statistics refer to transactions involving movements of goods out of or into the Kingdom of Thailand over a specific time period. The figures cover all categories of goods that enter or leave the Kingdom of Thailand and pass through customs formalities at any of the Customs Houses and representative offices, either via land, sea or air transport. The data also include postal packages but do not include smuggled goods and products procured on carriers at sea.</p> <p>Bank of Thailand obtains electronic copy of the data and tabulates them into export and import tables. Value of exports and imports in Baht equivalent obtained from the Customs data are then converted to US dollar equivalent using exchange rates as announced by the Customs (buying rate for exports and selling rate for imports). Country classification is based on country of origin/destination.</p>
Source of data	Customs Department, Ministry of Finance
Accessibility	1. BOT's website (www.bot.or.th) 2. CD-ROM : Economic and Financial Statistics, Bank of Thailand
Revision policy	Revision to monthly figures of the previous year is made at the end of September of the following year.



5. Metadata (cont.)



Metadata	
Table code	EC_XT_008
Title	Total Value and Quantity of Exports
Frequency ,Lag time and Release schedule	Frequency Monthly Lag time 1 month Release schedule The last business day of the following month
Summary Methodology <ul style="list-style-type: none"> • Analytical Framework, Concepts, Definitions, and Classifications • Scope of the data • Accounting Conventions • Nature of the Basic Data • Sources • Compilation Practices 	<p>Foreign trade statistics refer to transactions involving movements of goods out of or into the Kingdom of Thailand over a specific time period. The figures cover all categories of goods that enter or leave the Kingdom of Thailand and pass through customs formalities at any of the Customs Houses and representative offices, either via land, sea or air transport. The data also include postal packages but do not include smuggled goods and products procured on carriers at sea.</p> <p>Bank of Thailand (BOT) obtains electronic copy of the data and tabulates them into exports classified by the BOT's Economic Classification (EC). Quantity of exports is shown only for those commodity groups with unique unit of quantity (e.g. metric ton). This is limited to agricultural, fishery, mining and some manufactured products.</p>
Source of data	Customs Department, Ministry of Finance
Accessibility	1. BOT's website (www.bot.or.th) 2. CD-ROM : Economic and Financial Statistics, Bank of Thailand
Revision policy	Revision to monthly figures of the previous year is made at the end of September of the following year.

5. Metadata (cont.)

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Data Quality Reference Site ([DQRS](#))

Dissemination Standards Bulletin Board

Special Data Dissemination Standard (AS PROVIDED TO THE IMF BY THE RESPECTIVE COUNTRY)



Thailand
Merchandise trade
(Merchandise Trade)

Last Posted: [Jul-5-2007](#)
 Last Certified: [Apr-3-2008](#)
 Last Updated: [Aug-9-2006](#)



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[Dissemination Formats](#)

[Summary Methodology](#)

DATA [Access National Summary Data Page](#)

Metadata [Cross-country comparisons: access the DSBB metadata query facility](#)

The Data: Coverage, Periodicity, and Timeliness

Coverage characteristics	5.1.1 Statistical presentation Data on total imports (c.i.f.), total exports (f.o.b.) and the trade balance are disseminated in millions of US dollars and Baht.
Periodicity	4.1.1 Periodicity Monthly
Timeliness	4.1.2 Timeliness No later than 1 month after the end of the reference month.
Access by the Public	

<http://dsbb.imf.org/Applications/web/sddsctycatbaselist/?strcode=THA&strcat=MET00>

5. Metadata (cont.)

smreport/?strcode=THA&strcat=MET00

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Special Data Dissemination Standard

(THE SUMMARY METHODOLOGY STATEMENT HAS BEEN PROVIDED BY THAILAND, WHICH IS SOLELY RESPONSIBLE FOR ITS ACCURACY AND COMPLETENESS. AT THE TIME OF POSTING, THE STATEMENT WAS REVIEWED BY THE IMF FOR CONSISTENCY WITH THE METADATA BASE PAGE DESCRIBING DISSEMINATION PRACTICES. SUBSCRIBERS ARE REQUIRED TO PROVIDE UPDATES TO THE STATEMENT, AS NEEDED, AND ARE EXPECTED TO MAKE OTHER IMPROVEMENTS, AS WARRANTED, TO ENHANCE TRANSPARENCY)



Thailand
Summary Methodology
Merchandise trade
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I. Analytical Framework, Concepts, Definitions, and Classifications

2.1.1 Concepts and definitions

- Definitions: The conceptual framework and classification structure of merchandise trade published by the BOT, broadly corresponds to that recommended in the fifth edition of the IMF's Balance of Payments Manual (BPM5). General merchandise refers, with some exceptions, to movable goods for which changes in ownership--actual or imputed--occur between residents and nonresidents.
- Relationship of national practices with international or regional guidelines: General merchandise data are mainly derived from international trade statistics, compiled by the Customs Department. The customs data record physical movement of goods across the Thai customs frontier. Therefore, some adjustments are made in respect of coverage, valuation, and time of recording to bring these statistics into conformity with the balance of payments concept.

2.3.1 Classification/sectorization

- Classification: The BOT classifies each merchandise trade item according to its economic function based on 10 digits Harmonized System data supplied by the Customs Department.

II. Scope of the data

2.2.1 Scope



<http://dsbb.imf.org/Applications/web/basepagesmreport/?strcode=THA&strcat=MET00>



Thank You !

Data Management Department, Bank of Thailand