#### UNSD-ECLAC Workshop on International Trade Statistics

#### Implementation of IMTS 2010 and a new vision for trade statistics

I – 5 October 2012, San José, Costa Rica

### Item 9: Introduction to the IMTS Compilers Manual

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## The revised IMTS Compilers Manual (IMTS 2010-CM)

 Goal: To provide further and more detailed explanation of certain recommendations and practical guidance by describing good practices applicable under different circumstances.

#### A two year effort:

September 2010: Agreement on initial draft outline (EG-IMTS)

Mid January 2011: Ist virtual meeting of the EG-IMTS on Draft annotated outline

March 2011: Worldwide consultation begins on the Draft annotated outline

May 2011: 2<sup>nd</sup> virtual meeting of the EG-IMTS on 1<sup>st</sup> set of draft chapters

September 2011: 3<sup>rd</sup> virtual meeting of the EG-IMTS on 2<sup>nd</sup> set of draft chapters

December 2011: Meeting of the EG-IMTS on the full draft

February 2012: Submission of draft text to Statistical Commission





#### Part I Legal framework and data sources

- Chapter I Legal framework
- Chapter 2 Customs declarations and related customs records
- Chapter 3 Non-customs administrative sources
- Chapter 4 Enterprise surveys

#### Part II Data compilation

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- Chapter 6 Statistical territory and organization of data collection
- Chapter 7 Integration of data from different sources
- Chapter 8 Data processing and database management
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# Part I: Legal framework and data sources

Chapter I – Legal framework

Chapter 2 - Customs declarations and related customs records

Chapter 3 – Non-customs administrative and other sources

Chapter 4 - Enterprise surveys and other surveys





#### Ch I: Legal framework

- A. The importance of the legal framework for trade statistics
- B. Legal acts governing customs records
- C. Legal acts regulating non-customs data sources and institutional arrangements
- Legal acts protecting confidentiality of traders and trade information
- E. Case Studies





### Ch 2: Customs declarations and related customs records

- A. Customs declarations as the most prevalent source of trade data
- B. Structure of the revised Kyoto Convention
- C. Customs Procedures and IMTS
- D. Verification of the declared information
- E. Lodgement of declarations and data-collection issues
- F. Other customs declarations and procedures
- G. Information required to complete a goods declaration
- H. Training in how to complete customs documents
- I. Reporting thresholds and retention of records
- Case Studies





#### Ch 3: Non-customs data sources

- A. Additional data sources overview
- B. Additional data sources often used to supplement customs records
  - I. Parcel post and letter post records
  - 2. Aircraft and ship registers
  - 3. Enterprise surveys
  - 4. Data exchanges between countries
- Additional data sources used for supplementing and verifying of customs records
  - I. Reports of commodity boards
  - 2. Administrative records associated with taxation
  - 3. Merging and cross-checking data obtained from customs and non-customs sources
  - 4. Case study





## Ch 4: Enterprise surveys and other surveys

- A. General description of enterprise and other surveys
- B. Use of business registers and frames
- C. Organization of surveys
- D. Advantages and disadvantages of surveys
- E. Examples of surveys for airline and shipping companies
- F. Examples of border surveys
- G. Examples of surveys used in the Intrastat system
- Examples of enterprise surveys providing additional information
- Merging of data from enterprise surveys with customs data
- J. Response burden of enterprises and traders





## Part II: Data compilation

Chapter 5 – Institutional arrangements

Chapter 6 – Statistical territory and organization of data

collection

Chapter 7 – Integration of data from different sources

Chapter 8 - Data processing and database management

Chapter 9 – Data quality: assurance, measurement and reporting

Chapter 10 - Data compilation in the case of customs union

Chapter II - Integrating trade and business statistics





#### Ch 5: Institutional arrangemets

- A. Introduction
- B. Purposes of institutional arrangements
- C. Characteristics of effective institutional arrangements
- D. Governance and mechanisms of cooperation
  - I. Statistical office as the responsible agency
  - 2. Customs administration as the responsible agency
  - 3. Central bank as the responsible agency
- E. Towards improved institutional arrangements
- F. Institutional arrangements and data quality
- G. Annex 5.1: Country experiences in institutional arrangements
  - I. Experience of the USA
  - 2. Experience of Mexico
  - 3. Experience of Brazil
  - 4. Experience of the Philippines
  - 5. The experience of China





### Ch 6: Statistical territory and organization of data collection

- A. Statistical territory
- B. Detailed description of the elements of the statistical territory
- C. Organization of the data collection in respect to different territorial elements





### Ch 7: Integration of data from different sources

- A. Advantages and limitations of customs and non-customs data sources
- B. Issues encountered when merging data sources
- Examples of merging data from other administrative sources with customs data
- D. Examples of merging data from enterprise surveys with customs data
- E. General conclusions on merging different data sources
- F. Integrated approach to economic statistics





## Ch 8: Data processing and database management

- A. Data processing and database management at Customs
  - I. Requirements for automation at customs
  - 2. Characteristics of data processing at customs
  - 3. Examples of automated systems at customs and its interface with statistical data
- B. Data processing and database management at the responsible agency
  - Characteristics of data processing, data flow and data transformations
  - 2. Examples of data processing systems at the responsible agency
- Data fields required for statistical purposes





### Ch 9: Data quality: assurance, measurement and reporting

#### A. Quality assurance

- I. An overview of the main elements of national quality assurance frameworks
- 2. Quality assurance at customs
- 3. Quality assurance at the responsible agency
- 4. Major quality issues and how to approach them
- 5. Country examples and best practices
- B. Quality measurement and reporting
  - 1. Steps and guidelines for producing data quality reports
  - 2. User-oriented quality reports contents and examples
  - 3. Producer-oriented quality reports contents and examples
  - 4. Measuring data quality
- C. Reconciliation studies, cross-country comparability and bilateral data exchanges
- D. Inter-agency collaboration on data quality





### Ch 9: Data quality: assurance, measurement and reporting (cont.)

- Annex 9.1: Brazilian statistical depuration system
  - I. Preventive depuration
  - 2. Continuous depuration
  - 3. Post depuration
- Annex 9.2: ASYCUDA Data quality assurance, measurement and reporting Controls and reports
  - I. Existence controls
  - 2. Data Format controls
  - 3. Referential and validity controls
  - 4. Consistency controls
  - 5. ASYCUDA statistical reports
- Annex 9.3: Detailed discussion of data items that affect statistical discrepancies between countries and further guidance
- Annex 9.4: Experience of Brazil





### Ch 10: Data compilation in the case of customs unions

- A. Description of main types of customs unions and their implications for trade data compilers
  - I. European Union: Customs unions as a single market
  - 2. Customs unions of developing and transitional countries
- B. Current challenges and good practices in the organization of data compilation
- C. Longer term strategies
- D. Good practices in other multi-country data exchanges





### Ch 11: Integrating trade and business statistics

- A. Integrated approach to economic statistics
- B. The benefits of integrating trade and business statistics
- Integrating trade and business statistics in data compilation – possibilities and examples
- Ensuring quality of the linked data sources and the quality of the linked/integrated data
- E. Generation and dissemination of additional information possibilities and examples
- F. Required institutional and working arrangements





#### **Part III:**

### Compilation of particular data items

Chapter 12 - Time of recording

Chapter 13 - Commodity classification

Chapter 14 - Valuation

Chapter 15 - Quantity measurement

Chapter 16 – Partner country

Chapter 17 - Mode of transport

Chapter 18 - Customs procedure code





#### Ch 12: Time of recording

- A. Basic concepts and data sources: an overview
- B. Approximation of time of recording





#### Ch 13: Commodity classification

- A. Harmonized Commodity Description and Coding System-Introduction
- B. HS overview
- C. 2012 edition of HS
- Application of the HS for coding traded goods challenges and good practices
- E. Country experiences in the use of the HS for data dissemination and analytical purposes





#### Ch 14: Valuation

- A. Statistical value and its components: an overview
- B. Compilation of the statistical value of imported goods
- Compilation of statistical values of exported goods
- Valuation of selected categories of imported and exported goods
- E. Issues of currency recording and conversion





#### Ch 15: Quantity measurement

- A. An overview of the WCO standard units of quantity
- B. Weight concept
- C. Compilation of quantity data from customs sources
- D. Compilation of quantity data from non-customs sources
- E. Conversion factors from non-standard to standard units of quantity
- F. Quality issues
- G. Estimation and imputation of quantity data





#### Ch 16: Partner country

- A. Introduction
- B. Country of origin and its use in import statistics
  - I. Kyoto Convention
  - 2. The status of the WCO work on the harmonized rules of origin
  - 3. Country experiences in definition of goods origin and challenges in their application
- C. Country of last known destination and its use in export statistics
  - 1. Concept of country of last known destination
  - 2. Country experiences in the approximation of country of last known destination
- D. Country of consignment
- E. Definitions of partner country in trade between members of a customs union
- F. Partner country coding for statistical purposes





#### Ch 17: Mode of transport

- A. Basic concepts and data sources: an overview
  - Basic concepts
  - 2. Description of particular modes of transport
  - 3. Other considerations
- B. Compilation of MoT trade statistics: countries experiences
- C. Dissemination of MoT statistics: countries experiences





#### Ch 18: Customs Procedure Code

- A. Customs procedure code as a new data field
- B. IMTS 2010 recommendations
- c. Importance of compilation and international reporting
- D. Custom procedures applied by countries
- Annex 18.A: Harmonization of customs procedures and codes in COMESA
- Annex 18.B: List of nature of transaction codes for Extrastat





#### **Part IV:**

### Compilation of data on trade in selected categories of goods

Chapter 19 - Scope of IMTS

Chapter 20 - Goods for processing

Chapter 21 – Goods which cross borders as a result of transactions between related parties

Chapter 22 – Electricity, gas, oil and water

Chapter 23 - Ships and aircraft

Chapter 24 – Other special categories of goods and compilation for National Accounts and Balance of Payments purposes





#### Ch 19: Scope of IMTS

- A. The general guideline
- B. Comparison of specific categories of goods
- C. Economic territory and categories of goods
- D. Cross-border trade and smuggling
- E. Customs and statistical threshold, treatment of nonresponse
- F. Confidential data and incomplete coverage by data omission





#### Ch 20: Goods for processing

- A. Definition and examples of goods for processing
- B. Transactions and activities that are not goods for processing
- C. Treatment of goods for processing in the 2008 SNA/ BPM6
- D. Measuring trade in goods for processing with or without change of ownership - and implications for the balance of payments compilation
- E. Examples of good practices
- F. Additional issues





# Ch 21: Goods which cross borders as a result of transactions between related parties

- A. Definition of related parties and examples of trade between related parties
- B. Purposes of identifying trade between related parties (including valuation)
- C. Ways to obtain information on trade between related parties
- D. Good practices





### Ch 22: Electricity, gas, oil and water

- A. Characteristics of trade in electricity, gas, oil and water
- B. Recording of pipeline trade in electricity, gas, oil and water
- Country experience in the compilation of electricity, gas, oil and water
- D. Valuation issues and issues related to the timing of recording





#### Ch 23: Ships and aircraft

- A. Difficulties encountered in the measurement of trade in ships and aircraft
- Existing practices for recording and measuring trade in ships and aircraft
- C. Possibilities for improving the international measurement of trade in ships and aircraft
- D. Leasing
- E. Case studies





## Ch 24: Other special categories of goods and the compilation for national accounts and balance of payment purposes

- A. Goods to be recorded similarly in IMTS and BPM6/NA
- B. Goods to be recorded differently in IMTS and BPM6/NA
- C. Common metadata to be provided by IMTS and BOP compilers





#### Part V:

#### **Metadata and dissemination**

Chapter 25 - Metadata

Chapter 26 - Dissemination

Chapter 27 - Other international classifications relevant for trade

statistics





#### Ch 25: Metadata

- A. Introduction
- B. Presentation and dissemination of metadata
- C. Metadata items relevant for international merchandise trade statistics
- D. Country practices





#### Ch 26: Dissemination

- A. Factors to consider in data and metadata dissemination
  - I. Variables to be made available
  - 2. Timeliness
  - 3. Coherence between disseminated datasets
  - 4. Statistical confidentiality
  - 5. Revision policy
  - 6. Users
  - 7. Formats and means of dissemination
  - 8. Dissemination of metadata and information on data quality
- B. Combined presentation of statistics on external trade in goods and services





### Ch 27: Other international classifications relevant to trade statistics

- A. Standard International Trade Classification
- B. Central Product Classification
- Classification by Broad Economic Categories
- International Standard Industrial Classification of all Economic Activities
- E. Correspondence and conversion tables and their use





#### **Part VI:**

### External trade indices and seasonally adjusted data

Chapter 28 – External trade indices

Chapter 29 - Seasonally adjusted data





#### Ch 28: External trade indices

- A. General overview
- B. Measurement approaches
- C. Criticalities in the approaches
- D. Methodological issues
- E. Other issues
- F. Best practices
  - I. The Norwegian experience
  - 2. The Canadian experience
  - 3. The Czech experience
  - 4. The German experience





#### Ch 28: External trade indices

#### Annex 27.1: The Norwegian experience

- I. Unit values from customs records
- 2. Producer Price Indices (PPIs) for external trade
- 3. Data validation and editing
- 4. Institutional framework

Annex 27.2: The Canadian experience





#### Ch 29: Seasonally adjusted data

- A. Basic concepts and uses of seasonally adjusted trade data
- B. Preliminary treatment of data prior to seasonal adjustment
- C. Seasonal adjustment
- Revision policies
- E. Quality of seasonal adjustment
- F. Specific issues
- G. Data presentation
- H. Specific issues related to trade data





### Thank you for your attention