



Virtual Event 15-18 June 2020  
**2020 Asia-Pacific  
Statistics Week**

Leaving no one and nowhere behind

## **Modernization in Compiling Malaysia's International Investment Position (IIP) through Integrated System**

Action Area D. Modernizing statistical business processes (SD3)  
**Changing what we do: how national statistical systems are  
transforming statistical business for the better**

Presenter:

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**Department of Statistics Malaysia**

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## Introduction

*Collaborative effort in compilation, quality assessment  
and dissemination in accordance to SDDS*



Department of Statistics Malaysia

**DOSM : COMPILERS : BNM**



**BANK NEGARA MALAYSIA**  
CENTRAL BANK OF MALAYSIA

✓ Quarterly Survey of  
International Investment  
and Services



Prior to DOSM-BNM Joint  
Survey 2008



✓ Quarterly Report on  
External Assets Liabilities  
(EAL)

✓ Statistics Act 1965,  
Revised 1989



Legal Provisions



- Central Bank of Malaysia Act 2009
- Exchange Control Act 1953

*DOSM-BNM collaborate the survey which is known as Joint IIP Survey that implemented through a modernized and advanced system namely International Transactions and External Position System (ITEPS) and the system was further strengthened and upgraded to External Sector Statistics System (ESS)*



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Input



Quarterly Joint IIP Survey



Output

- ✓ **Data items as recommended by BPM6**
- ✓ **Compiled data on position, transactions & non-transactional data**
- ✓ **Coverage:**
  - 57 Financial Institutions
  - 3,800 entities (end-investors, custodians & fund managers)
  - Custodians that have international financial transactions
- ✓ **Reporting requirements:**
  - Online submission
  - Deadline: 15 days after end of reporting period
- ✓ **Submission status:** 100% response rate

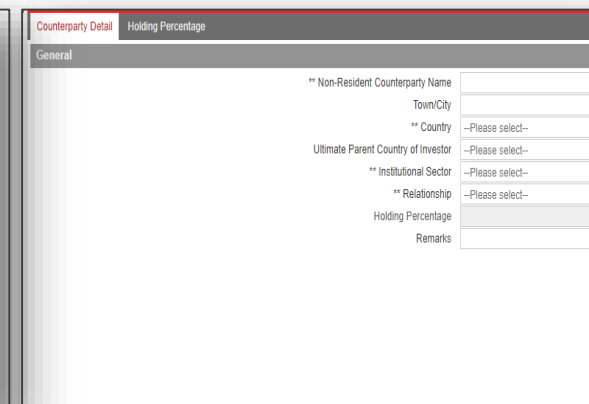
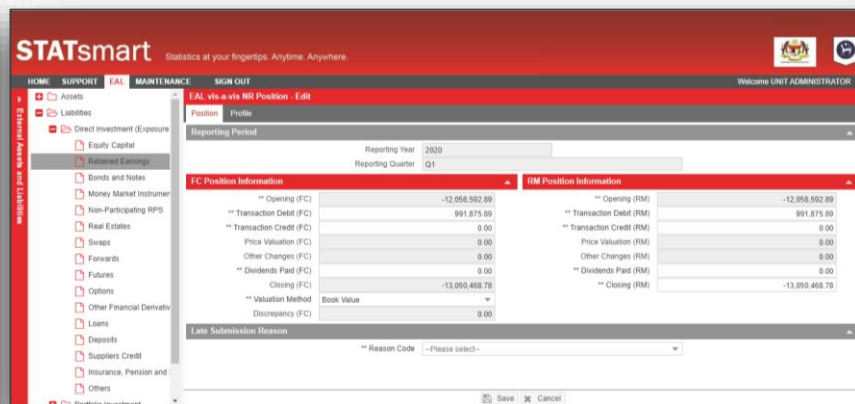
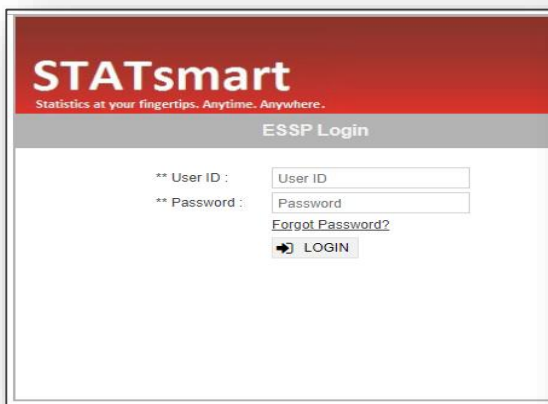
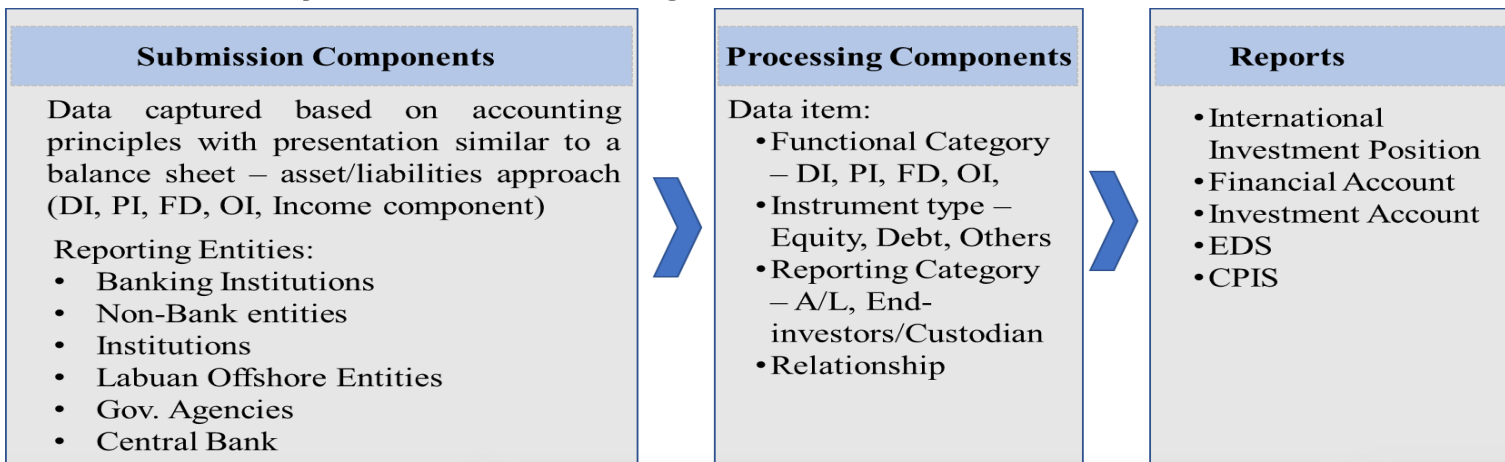
- ✓ **DOSM official release:**
  - Balance of Payments (BOP)
  - International Investment Position (IIP)
  - Coordinated Direct Investment Survey (CDIS)
- ✓ **Central Bank's publications:**
  - External Debt Statistics
  - Coordinated Portfolio Investment Survey (CPIS)
  - International Banking Statistics
- ✓ **Surveillance & analysis**



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# System Architecture and Process:

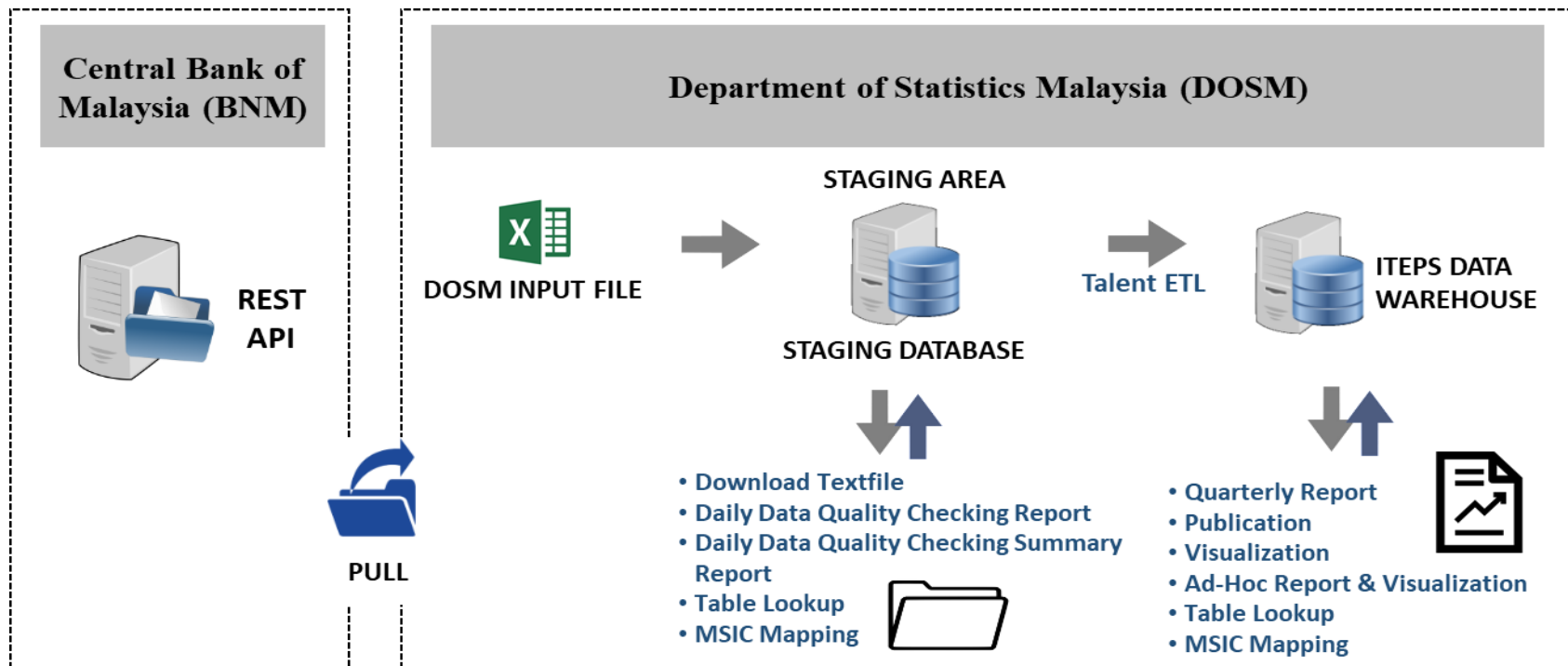
## i. Submission by respondent through ESS





## System Architecture and Process:

### ii. Data transmission



- ✓ The BNM's server being used due to BNM was the official institution for financial
- ✓ This system allows to generate daily report in order monitoring submission from company



## System Architecture and Process:

iii. Data process The system will identify and notify data with issues by business rules setting (validation will be done)

### iv. IIP Report generating

#### Report Generator

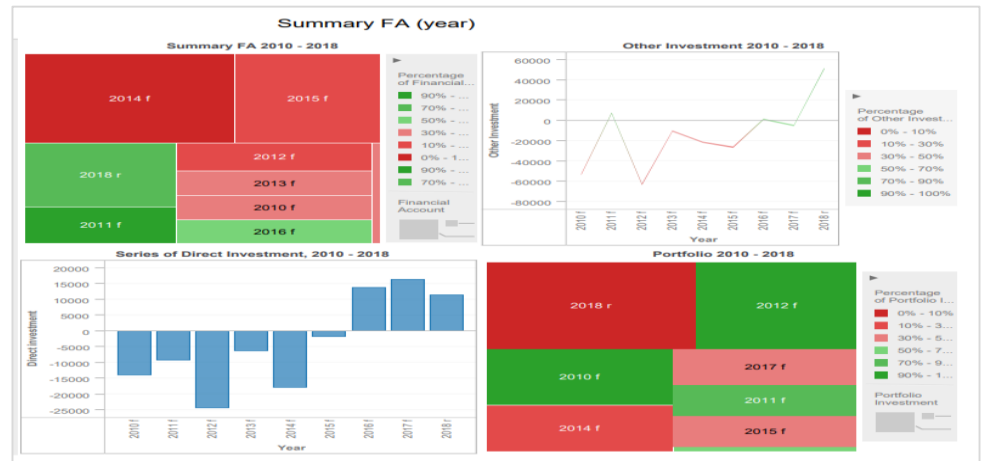
- ✓ The generated reports can customize and filter for the items such as company names, profiles and sector information.
- ✓ 3 report categories: Fixed reporting (13 reports); Filtered reporting (133 reports); Ad-hoc reporting & Visualisation.

#### Visualisation

- ✓ The reports in the form of visual and graphic. Several visualisations have been applied such as pie charts, heat map and so on.

#### Tabulation

- ✓ This is the module that has been used to produce publication by BOP in quarterly and annual basis.
- ✓ The data and reports can be downloaded, printed and custom dashboard.



Year	Qtr of Year	Data Source	EAL Profile ID	Data Item Code IIP Detail BPMS	Data Item Code IIP Detail BPMS	Company or Bank ERIC MICR	Company or Bank Name	Controlling Status or Residency Status	Company or Bank MSIC Group	Company or Bank MSIC	Assets or Liabilities Indicator	Purpose Code IIP Detail BPMS	Purpose Code IIP Detail BPMS	Type of Transaction Code	ISIN Codes Security Reference Number
				IIPSA1DI2215	IIPSA1DI2215		Company ABC	NON-FINANCIAL PUBLIC ENTERPRISE	J	61101	Assets	31910	31910		UNK
				IIPSA1DI2216	IIPSA1DI2216		Company ABC	NON-FINANCIAL PUBLIC ENTERPRISE	J	61101	Assets	31910	31910		UNK
				IIPSA1DI2225	IIPSA1DI2225		Company ABC	NON-FINANCIAL PUBLIC ENTERPRISE	J	61101	Liabilities	31120	31120		UNK





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### Conclusions

- ✓ the department can fully utilise the human resources and able to produce new statistics as this system needs **fewer human resources** as compared to before
- ✓ **able to notify** and remind the reporting entities to submit their report before the deadline
- ✓ no longer **hard copy response or conventional reporting**
- ✓ data collection is guaranteed with **100% response rate** whereby reporting entities give cooperation by submitting the data online
- ✓ **cost effective** due to less paper works
- ✓ **time efficiency** - the release time of BOP and IIP statistics are **reduced significantly** from 8 weeks to 6 weeks after the reporting period



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