

# Data Registration Code (DRC) (Part VIII of MGC)

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The Malaysian Grid Code Awareness Programme Funded by  
Akaun Amanah Industri Bekalan Elektrik (AAIBE)

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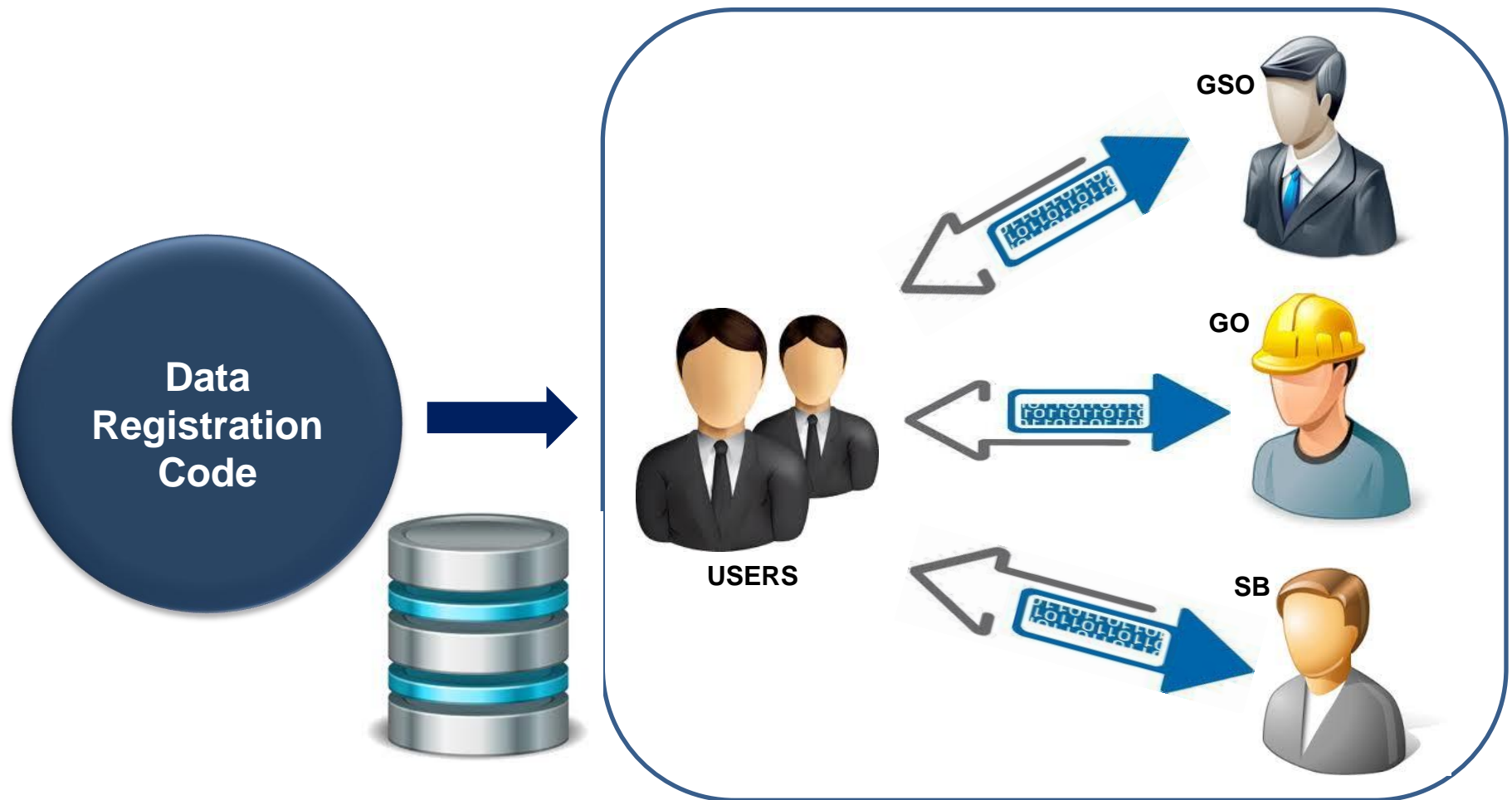


Confidentiality of Data & Requirement to provide Appropriate Data



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# DEFINITION...



**A system to collate all data required by the GO, SB and GSO from Users and by Users from the GO, SB and GSO, from time to time under the Grid Code.**

# INTRODUCTION...

- DRC collates all data in the MGC.
- Inconsistencies?
  - Data in the particular section of the MGC shall prevail

# OBJECTIVES OF DRC

The objective of this DRC is to:

- a) List and collate all the data to be provided by each category of User to GO & GSO under the Grid Code.
  
- (b) List all the data to be provided by GO & GSO to each category of User under the Grid Code.

DRC applies to:

1. Grid Owner
2. GSO
3. Single Buyer
4. Generators
5. Distributors
6. Network Operators
7. Directly Connected Customers
8. Parties seeking connection

# DATA CATEGORIES AND STAGES IN REGISTRATION (PLANNING AND OPERATIONAL DATA)

	Standard Planning Data		Detailed Planning Data	
<b>Preliminary Project Data</b> <ul style="list-style-type: none"> <li>Submitted DURING application</li> <li>confidential</li> </ul>	Estimated Registered Data	Forecast & Operational Data	Estimated Registered Data	Forecast & Operational Data
<b>Committed Project Data</b> <ul style="list-style-type: none"> <li>Submitted once Agreement accepted</li> <li>no longer confidential</li> </ul>	Estimated Registered Data	Forecast & Operational Data	Estimated Registered Data	Forecast & Operational Data
<b>Contracted Project Data</b> <ul style="list-style-type: none"> <li>Submitted after commissioning</li> <li>not confidential</li> </ul>	Registered & Estimated Registered Data	Forecast & Operational Data	Registered & Estimated Registered Data	Forecast & Operational Data

*Registered & Estimated Registered Data is data on User assets  
Forecast Data is data on User loads or system*

# PROCEDURES AND RESPONSIBILITIES

- Users submit data to GO, GSO & SB to meet requirement under this MGC.



# CONFIDENTIALITY OF DATA AND REQUIREMENT TO PROVIDE APPROPRIATE DATA

It is the responsibility of the recipient of any item of data to ensure that each item of data remains confidential and is not made available to any third party.

# SCHEDULES OF DATA TO BE REGISTERED



Schedule	Data Register
SCHEDULE 1	GENERATING UNIT (OR CCGT Module) TECHNICAL DATA.
SCHEDULE 2	GENERATION PLANNING PARAMETERS AND AVAILABILITY DATA.
SCHEDULE 3	GENERATING PLANT OUTAGE PROGRAMMES, OUTPUT USABLE AND INFLEXIBILITY INFORMATION.
SCHEDULE 4	EMBEDDED GENERATING PLANT OUTPUT FORECASTS.
SCHEDULE 5	USER'S SYSTEM DATA. C

# SCHEDULES OF DATA TO BE REGISTERED



Schedule	Data Register
SCHEDULE 6	USER'S OUTAGE INFORMATION.
SCHEDULE 7	LOAD CHARACTERISTICS.
SCHEDULE 8	POWER TRANSFERS FROM EXTERNALLY INTERCONNECTED PARTIES TO THE SINGLE BUYER AND GSO.
SCHEDULE 9	DATA SUPPLIED BY THE GRID OWNER AND GSO TO USERS.
SCHEDULE 10	USER'S DEMAND PROFILES AND ACTIVE ENERGY DATA

# SCHEDULES OF DATA TO BE REGISTERED



Schedule	Data Register
SCHEDULE 11	CONNECTION POINT DATA
SCHEDULE 12	DEMAND CONTROL DATA
SCHEDULE 13	FAULT INFEED DATA FROM USERS
SCHEDULE 14	FAULT INFEED DATA

# LIST OF REGISTERS (ARRANGED BY USER TYPE)

Users	Schedules
Power Producers with Generating Plant	Schedules 1, 2 ,3, 9, 14
Power Producers with Embedded Generating Plant	Schedules 1, 3, 4, 9
All Users connected directly to the Transmission System	Schedules 5, 6, 9
All Users connected directly to the Transmission System other than Power Producers	Schedules 10, 11, 13
All Users connected directly to the Transmission System with Demand	Schedules 7, 9
Externally Interconnected Parties Schedule	Schedules 8
All Network Operators	Schedule 12



# THANK YOU



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