

The Malaysian Grid Code Awareness Programme – Module 2 of Session 2 22, 23 & 24 January 2014



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

The Malaysian Grid Code Awareness Programme

INTRODUCTION

By :

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22 January 2014



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Akaun Amanah Industri Bekalan Elektrik (AAIBE)**

About this programme

Name of this program

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

About the Malaysian Grid Code (MGC)

MGC is a document which has been adopted and published by ST in the discharge of its function.



It was launched by Y.B. Minister of KeTTHA in 2010

MGC – Copy available at ST website

About this programme *(continued)*

Objectives of this programme

To give specific initiatives and attention for informing relevant parties on the status and requirements of MGC and in particular, with respect to responsibilities of industry players in meeting MGC requirements.

Target groups

1. Key personnel on planning, operation and maintenance of all sectors of users of the grid system (Generators, Transmitter, Distributors, Network Operators, Directly Connected Customers as well as other holders (i.e. government departments, universities, SIRIM)

About this programme *(continued)*

Target groups *(continued)*

2. At 2 levels; management level and operational level. Program for the management level (½ day) was conducted in April 2013.

Program targeted for operational level audience

1. The program (for operational level) is divided into 2 modules; Module 1 (2 days) and Module 2 (3 days)
2. Each of Module 1 and 2 is run twice, i.e. Session 1 and Session 2.

About this programme *(continued)*

**Program targeted
for operational
level audience**
(continued)

3. For Session 1; Module 1 was conducted on 26 & 27 June 2013 while Module 2 was conducted on 21, 22 and 23 August 2013.
4. For Session 2; Module 1 was conducted on 23 and 24 October 2013.
5. Module 2 for Session 2 is this program which will be conducted in 3 days; 22, 23 and 24 January 2014.

Brief Overview of MGC Document

Definition of Malaysian Grid Code (MGC)



A set of principles and procedures for day to day planning, design and operation governing relationship of Grid Owner, GSO and Users and responsibilities of all parties towards maintaining harmonious operation of the grid system under both normal and exceptional circumstances involving disturbances spanning from those initiated by climatic conditions to equipment failures and mal-operations.

Brief Overview of MGC Document *(continued)*

Table of contents of MGC

PREFACE

INTRODUCTION

PART I: GLOSSARY AND DEFINITIONS

PART II: INTRODUCTION AND PURPOSE

PART III: GENERAL CONDITIONS

PART IV: PLANNING CODE

PART V: CONNECTION CODE

PART VI: OPERATING CODES

PART VII: SCHEDULING AND DISPATCH CODES

PART VIII: DATA REGISTRATION CODE

PART IX: METERING CODE



Module 1

Brief Overview of MGC Document *(continued)*

Part VI & Part VII List of Contents

PART VI OPERATING CODES (OC)

OPERATING CODE NO.1 (OC1): DEMAND FORECAST

(OC2): OUTAGE AND OTHER RELATED PLANNING

(OC3): OPERATING RESERVES AND RESPONSE

(OC4): DEMAND CONTROL

(OC5): OPERATIONAL LIAISON

(OC6): SIGNIFICANT INCIDENT REPORTING

(OC7): EMERGENCY OPERATIONS

(OC8): SAFETY COORDINATION

(OC9): NUMBERING AND NOMENCLATURE

(OC10): TESTING AND MONITORING

(OC11): SYSTEM TESTS

Brief Overview of MGC Document *(continued)*

Part VI & Part VII List of Contents

PART VII: SCHEDULING AND DISPATCH CODES (SDC)

SDC1: GENERATION SCHEDULING

SDC2: CONTROL, SCHEDULING AND DISPATCH

SDC3: FREQUENCY AND INTERCONNECTOR TRANSFER CONTROL

Program Schedule

Date & time	08.30-09.00	09.00-10.30	10.30-11.00	11.00-12.30	12.30-14.00	14.00-15.30	15.30-16.00	16.00-17.00
Wed; 22 Jan 2014	Registration of attendance	Introduction OC1 OC2		Continue with OC1 OC2		OC9 OC4 OC5		Continue with OC9 OC4 OC5
Thu; 23 Jan 2014		OC6 OC7 OC8	Morning break	Continue with OC6 OC7 OC8	Lunch break	OC3 OC10 OC11	Afternoon break	Continue with OC3 OC10 OC11
Fri; 24 Jan 2014		SDC1 SDC2 SDC3		Continue with SDC1 SDC2 SDC3		Resumeat 15.00 hrs & Continue with SDC1 SDC2 SDC3		Continue with SDC1 SDC2 SDC3 Conclusions

List of facilitators (for Module 2)

Codes	Facilitators
OC1: DEMAND FORECAST	Noor Hafifi Jalal
OC2: OUTAGE AND OTHER RELATED PLANNING	Norhasbi Abdul Wahab Osman Mohammed Khalid
OC3: OPERATING RESERVES AND RESPONSE	Dr Aznan Ezraie Ariffin
OC4: DEMAND CONTROL	Noor Azlan Hamzah
OC5: OPERATIONAL LIAISON	Tajul Ariffin B Sulaiman

List of facilitators (for Module 2)

Codes	Facilitators
OC6: SIGNIFICANT INCIDENT REPORTING	Arsad B Abd Aziz
OC7: EMERGENCY OPERATIONS	Arsad B Abd Aziz
OC8: SAFETY COORDINATION	Kennedy a/l Soloman
OC9: NUMBERING AND NOMENCLATURE	Mohd Farouk Mohd Yusof
OC10: TESTING AND MONITORING	Raymond Michael

List of facilitators (for Module 2)

Codes	Facilitators
OC11: SYSTEM TESTS	Zainuddin Md Yusof
SDC1: GENERATION SCHEDULING	Mohd Yusrizal Mohd Yusof
SDC2: CONTROL, SCHEDULING AND DISPATCH	Shanmugam a/l Thoppalan
SDC3: FREQUENCY AND INTERCONNECTOR TRANSFER CONTROL	Kannapran A/L Paramasivam



THANK YOU



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