

MAJOR HASHIM BIN RUMLEE (RMAF)



Ministry of Defence, Air Force Headquarters
JTMK - Information Warfare
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INTRODUCTION

Major Hashim Rumlee RMAF currently holds the appointment of Military Staff Officer Grade 2 at Markas Tentera Udara - Jabatan arah Teknologi Maklumat & Komunikasi (Information Warfare) since Apr 2002. He has more than 27 years of working experience in operational management, organizational risk assessment audits and training & operations. Highly developed administrative, technical management training, expert computer usage and management information systems. Also has experience in technical system evaluation, development in planning of organizational communications establishment and management of nationwide communication network. Happily married for 5 years and bless with 2 lovely children age 4 and one year.

AREAS OF EXPERTISE

INFORMATION TECHNOLOGY : Work with the various application of information technology in the Air Force Communication establishment. Have considerable knowledge on application either web-base (examples are Active Server Pages, Hypertext Markup Languages, Javascript and others) or non web-base (Microsoft Office – Access; Excel; Word; Frontpage, Visual Basic Application and others). Able to operate under Windows XP Pro and Windows Server 2003 environment. Have basic knowledge under UNIX environment.

INFORMATION SECURITY : Conducted risk assessment audit on all matters related to communication throughout the Air Force. Have undergone various courses on Network Security, Ethical Hacking & Countermeasures and Local Area Network.

AIR TRAFFIC CONTROL : Licensed and qualified Air Traffic Controller, ATC Instructor and ATC Examiner.

COMMUNICATION : Managed and supervised nationwide wireless radio network, tactical callsign allocation, authentication code, fixed-line network, radio frequency usage and secured communication network.

TRAINING : Trained, directed, and supervised specialized communication teams in information security, risk assessment audit and communication security. An instructor in training Royal Malaysian Airforce Air Traffic Control Candidates local and overseas.

EMPLOYMENT EXPERIENCE

KUANTAN AIRBASE, PAHANG **1985 – 1986**
OPERATION OFFICER - (Lieutenant RMAF)

(Responsible for flight monitoring, coordinating Search & Rescue, issuing Air Tasking Order and management of Airspace usage with Department of Civil Aviation).

KUANTAN AIRBASE, PAHANG **1986 – 1991**
AIR TRAFFIC CONTROLLER (Lieutenant RMAF)

(Responsible for providing Air Traffic Services to flights operating within designated control airspace. Qualified rating position in Tower Control, Approach Control, Approach Radar, Radar Director and Precision Radar Approach. Nominated as Tower and Approach Supervisor for other controller).

SCHOOL OF AIR TRAFFIC CONTROL (SEKTUB KUANTAN) **1992 – 1996**
AIR TRAFFIC CONTROL INSTRUCTOR (Captain RMAF)

(Responsible for training fresh graduate and recruits in the art of Air Traffic Control. Qualified instructor for Tower, Approach and Radar courses. Supervised and create the Non Integrated Simulation (NIS) phase procedure to be used in the Tower, Approach and Radar courses). Trained and supervised Air Traffic Controllers locally as well as overseas.

SCHOOL OF AIR TRAFFIC CONTROL (SEKTUB KUANTAN) **1995**
AIR FORCE AIR TRAFFIC CONTROL EXAMINER (Captain RMAF)

(Responsible for the evaluation of all Royal Malaysian Air Force Air Traffic Controller. Providing assessment and grading of personnel at various control position. Developed a computerized database for all personnel data and rating position).

SCHOOL OF AIR TRAFFIC CONTROL (SEKTUB KUANTAN) **1996**
AIR TRAFFIC CONTROL CHIEF INSTRUCTOR (Captain RMAF)

(Responsible for the management and training of School of Air Traffic Control. Act as the manager for the School of Air Traffic Control that manages the training and management of soon to be the RMAF Air Traffic Controller and also the Air Traffic Control Instructor).

MALAYSIAN ARMED FORCES HEADQUARTERS, DEFENCE **1997 – 2002**
OPERATIONS & TRAINING DEPARTMENT
STAFF OFFICER GRADE 2 – TRAINING & OPERATION (Major RMAF)

(Responsible for planning and the development of Malaysian Armed Forces training & operations requirement. Participated in Bi-Lateral and Multi-Lateral training and exercises with Australia, New Zealand, United Kingdom and the Five Power Defence Agreements (FPDA) consist of Malaysia, Singapore, Australia, New Zealand and United Kingdom. Involved in Bi-Lateral agreement such as the Malaysian-Australia Joint Defence Programme (MAJDP), Malaysian New Zealand Defence Programme (MNZDP), Malaysian-United Kingdom Defence Programme (MALUK) and Multi-Lateral agreement, the FPDA).

AIR FORCE HEADQUARTERS, ICT DEPARTMENT
STAFF OFFICER GRADE 2 – COMMUNICATIONS SECURITY (Major RMAF)

2002 onward

(Responsible for planning the development of Air Force Information Warfare capability. To ensure that all measures and controls taken to deny unauthorized persons information derived from telecommunications and ensure the authenticity of such telecommunications. Communications Security (COMSEC) includes cyptosecurity, transmission security, emissions security, traffic-flow security and physical security of COMSEC equipment. Conducted Risk-Assessment audit for COMSEC throughout the Air Force. Assisted in the Risk-Assessment Team for Communication Security and Computer Security.).

RANK PROGRESSION

2 nd LIEUTENANT RMAF	1981	-	1984
LIEUTENANT RMAF	1985	-	1989
CAPTAIN RMAF	1989	-	1996
MAJOR RMAF	1996	-	present

ACADEMIC

SEK MEN METH (ANGLO CHINESE SCHOOL), SITIAWAN, PERAK **1979**
MALAYSIAN CERTIFICATE OF EDUCATIONS GRADE 2

CAREER TRAINING

- OFFICER CADET SCHOOL, PORT DICKSON, NEGERI SEMBILAN **1980**
(Officer Cadet Training)
- SCHOOL OF AIR TRAFFIC CONTROL (SEKTUB KUANTAN) **1985**
(Basic Air Traffic Control Officer)
- AIR FORCE TECHNOLOGY INSTITUTE, KINRARA, KUALA LUMPUR **1988**
(Safety Course)
- SCHOOL OF AIR TRAFFIC CONTROL (SEKTUB KUANTAN) **1988**
(Basic Radar Course)
- SCHOOL OF AIR TRAFFIC CONTROL, RAAF EAST SALE , AUSTRALIA, **1991**
(Air Traffic Control Instructor Course)
- UNIVERSITI SAINS MALAYSIA, PENANG **1992**
(Computer Software Course)
- SCHOOL OF AIR TRAFFIC CONTROL (SEKTUB KUANTAN) **1994**
(Area Radar Course)
- AIR FORCE PROFESSIONAL TRAINING INSTITUTE, PENANG, **1995**
(Squadron Officer Course)

- DEFENCE COMMUNICATION & ELECTRONIC DIVISION, KUALA LUMPUR, 2001
In collaboration with AUSTRALIAN DEFENCE FORCE &
MALAYSIAN COMMUNICATION & MULTIMEDIA COMMISSION
(Radio Frequency Management Course)
- ROHDE & SCHWARZ , GMBH, GERMANY 2002
(Secure Communication System Manager Course)
- ROHDE & SCHWARZ , KUALA LUMPUR 2002
(HF XK2100 Operation)
- SUN MICROSYSTEM INC, KUALA LUMPUR 2002
(SA-238 Solaris 8 System Administration I)
(SC-235 Trusted on Solaris 8 System Administration)
- EC-COUNCIL (E-COMMERCE CONSULTANTS INTERNATIONAL),KL 2003
(Network Security Course)
- EC-COUNCIL (E-COMMERCE CONSULTANTS INTERNATIONAL),KL 2003
(Ethical Hacking & Countermeasures Course)
- DEFENCE COMMUNICATION & ELECTRONIC DIVISION, KUALA LUMPUR, 2004
In collaboration with UNIVERSITY TEKNOLOGI TUN HUSSEIN ONN
(Intermediate Radio Frequency Management Course)
- STRATAD ASIA PACIFIC STRATEGIC CENTRE 2004
(Foundation Course On Counter Terrorism)
- NETSERV SOLUTIONS CONSULTANCY (M) SDN BHD, KUALA LUMPUR 2004
(Local Area Networks - LANs)
- NETSERV SOLUTIONS CONSULTANCY (M) SDN BHD, KUALA LUMPUR 2004
(Advance Local Area Networks - LANs)
- NATIONAL ICT SECURITY AND EMERGENCY RESPONSE CENTRE 2007
(Incident Response & Handling)
- GLOBAL KNOWLEDGE MALAYSIA 2007
(Essentials of Network Security)
- DEPARTMENT OF CIVIL AVIATION MALAYSIA 2007
(Safety Management System Workshop)

LICENSES

- DEPARTMENT OF CIVIL AVIATION MALAYSIA, 2003
Air Traffic Controller

AWARDS & HONORS

- **Best Student Award, Basic Air Traffic Control Course** at SEKTUB, Kuantan, **1985**
- **Best Student Award, Basic Radar Course** at SEKTUB, Kuantan, **1988**
- **Best Student Award, Computer Software Course** at USM, Penang **1992**
- **Anugerah Khidmat Cemerlang**, TUDM **1995**
- **Best Student Award, Intermediate Radio Frequency Management Course** **2004**
at MAF HQ, Port Dickson

PORTFOLIOS

THE AIR TRAFFIC CONTROL FLIGHT PROGRESS STRIP (FLIPS) GENERATOR

Develop a computerised system that generates and prints flight progress strip using the Computer Associates (CA) Clipper software. The program is no longer in my keep, I lose it when arranging my things, this is my first try in programming in DOS environment.

ROYAL MALAYSIAN AIR FORCE BASE COMMAND CONTROL COMMUNICATION NETWORK (BCCNet)

Developed a web based application (prototype) using Active Server Pages (ASP) and Javascript to be used in the Air Force Operations room. The Air Force is seriously considering to further enhance the applications. This application is in line with the remarks made by the then Chief of Air Force to develop a computerised system for operations room. This web based application could be incorporated to work in the Network Centric Warfare environment.

ROYAL MALAYSIAN AIR FORCE AIRFORCE INFORMATION WARFARE NETWORK (AIWNet)

Developed a web based application using Active Server Pages (ASP) and Javascript used by the Information Warfare Cell of the Royal Malaysian Airforce to extract information on regional ASEAN countries. A restricted application and therefore cannot be deliberated any further.

MALAYSIAN ARMED FORCES FREQUENCY SPECTRUM MANAGEMENT DATABASE (MAFSdB)

Developed a computerised database for the management of frequency in the Malaysian Armed Forces using Microsoft Office Access database. This is a fully developed system that handles the frequency management of the Army, Navy and Air Force. The system also handles the frequency management of the members of Frequency Assignment Co-ordination for Singapore, Malaysia and Brunei (FACSMAB).

THE ROYAL MALAYSIAN AIR FORCE ELECTROMAGNETIC SPECTRUM MANAGEMENT RESOURCE CENTRE (AFRescen)

This website is a resource center for the RMAF Communications personnel to acquire any information pertaining to communications per se. The site is built entirely in asp on IIS and window server 2003, it was designed and developed by myself, using what available resources at hand.

[HTTP://WWW.EDGEARE.COM](http://www.edgeare.com)

My personal website, an experiment to get into the web design craze. The site was designed and developed solely by myself and built in ASP, Javascript and Ms Access, using Frontpage, Notepad, EditPlus2, Irfanview and Paint. The site was intended to be accessed mostly by communications personnel of which a lot of resources are available, and any other surfers who managed to come across to this site.

ROYAL MALAYSIAN AIR FORCE HIGH FREQUENCY CALLSIGN, AUTHENTICATION TABLE AND POSITION REPORT (SisJAT)

Develop a computerised system for the RMAF HF Callsign, Authentication Table and Position Report using Random Word Generator and Microsoft Office Word . This system used the process of randomizing word for the HF Callsign, Authentication Table and Position Report, Word macro and mail merge to disseminate the instruction throughout Air Force.

SCHOOL OF AIR TRAFFIC CONTROL (SEKTUB) TOWER SIMULATOR

1996

Was one of the committee in the evaluation process of the School of Air Traffic Control Tower Simulator project. Project value at US 1 million dollars.

REFERENCES

- ✓ Col Haidzir bin Lebai Yakub (RMAF)
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- ✓ Lt Col S. Hamid Mohd Yusof @ Hassan (RMAF)
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- ✓ Professor Dr Ir Hj Ahmad Faisal bin Mohd Zain
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