

**CONFIDENTIAL**



## **Tender Briefing**

# **TENDER FOR THE DESIGN, SUPPLY, DELIVERY, TESTING, COMMISSIONING, TRAINING AND SUPPORT SERVICES FOR MCMC'S CYBER RANGE LAB SOLUTIONS**

Auditorium, MCMC Former HQ  
23<sup>rd</sup> October 2017

# AGENDA

- Background
- Scope of Work
- Floor Plan
- Project Timeline
- Q&A
- Tender Compliance & Requirement

# Background

1. Purpose:- invite Tenderer to submit a proposal for the design, supply, delivery, testing, commissioning, training and support services of MCMC Cyber Range Lab solutions.

2. The scope of works will be as follows:

- To supply the hardware and software as mentioned in Section 2; and
- To perform installation, configuration, network cabling and to perform lab renovation which will be located in MCMC Old Headquarters as mentioned in Section 2.

3. This tender is an open tender

# Background

MCMC is facilitating the capacity development in the area of network security to improve Communication and Multimedia industry's capability to mitigate cyber attacks and improve resiliency through the development of a Cyber Range Lab which will provide the following:

- Traffic simulations
- Target simulations
- Data losses
- Simulation automations
- Operations training
- Provide Testing as a Service (TaaS)
- Provide cyber range training services

# Scope of Work on: GENERAL REQUIREMENTS



Provide a complete solution comprising hardware, software, installation, configuration, and lab renovation achieving the operational components of Cyber Range including supply, delivery, testing, commissioning, training modules, and support service.

Commissioning and testing, compatibility and the functioning of the system included at no additional cost.

Having Subject Matter Expert (SME) to conduct cyber range lab exercises to nurture a cyber security expert among MCMC staff, ISPs and others that MCMC may determine.

Minimum two (2) reference sites in implementing Cyber Range Lab solution and equipment.  
Show proof of the two reference sites.

# Scope of Work on: GENERAL REQUIREMENTS



To list out all Cyber Range Exercise module (Lab Exercise & External Exercise with ISPs) that will be provided to MCMC in one (1) years period including the exercise modules.

To list out all Cyber Range Trainings schedule that will be provided to MCMC in one (1) years period.

The tenderer shall submit detail in three (3) years Cyber Range Project Plan Program for Cyber security development program including the indicative cost.

Have minimum one (1) trainer with the following certification:

- Cisco Certified Network Professional (CCNP) or Cisco Certified Network Associate (CCNA) or any recognized Network and Security Certifications; and
- Certified Ethical Hacker (CEH) or equivalent.

The tenderer shall assign one (1) Resident Engineer that reside at MCMC for one (1) year to support the lab development and technology transfer. Resident Engineer assigned shall be competent with minimum 1-year experience in operating Cyber Range Lab.

# Scope of Work on: GENERAL TECHNICAL REQUIREMENTS



Cyber Range Security and Performance Testing Appliance (Cyber Range Core Component)

Network equipment solutions to make up a complete Cyber Range Lab  
(Core Switch, Provider Router, Provider Edge Router, Customer Edge Router, and Access Switch)

Next Generation Intrusion Prevention System

Network Emulator

Threat management Appliance

Network Firewall

Log Analysis Application

# Scope of Work on: GENERAL TECHNICAL REQUIREMENTS



**DMZ component**

**Web Application Firewall**

**Forensic Tool and Application**

**Lab Accessories**

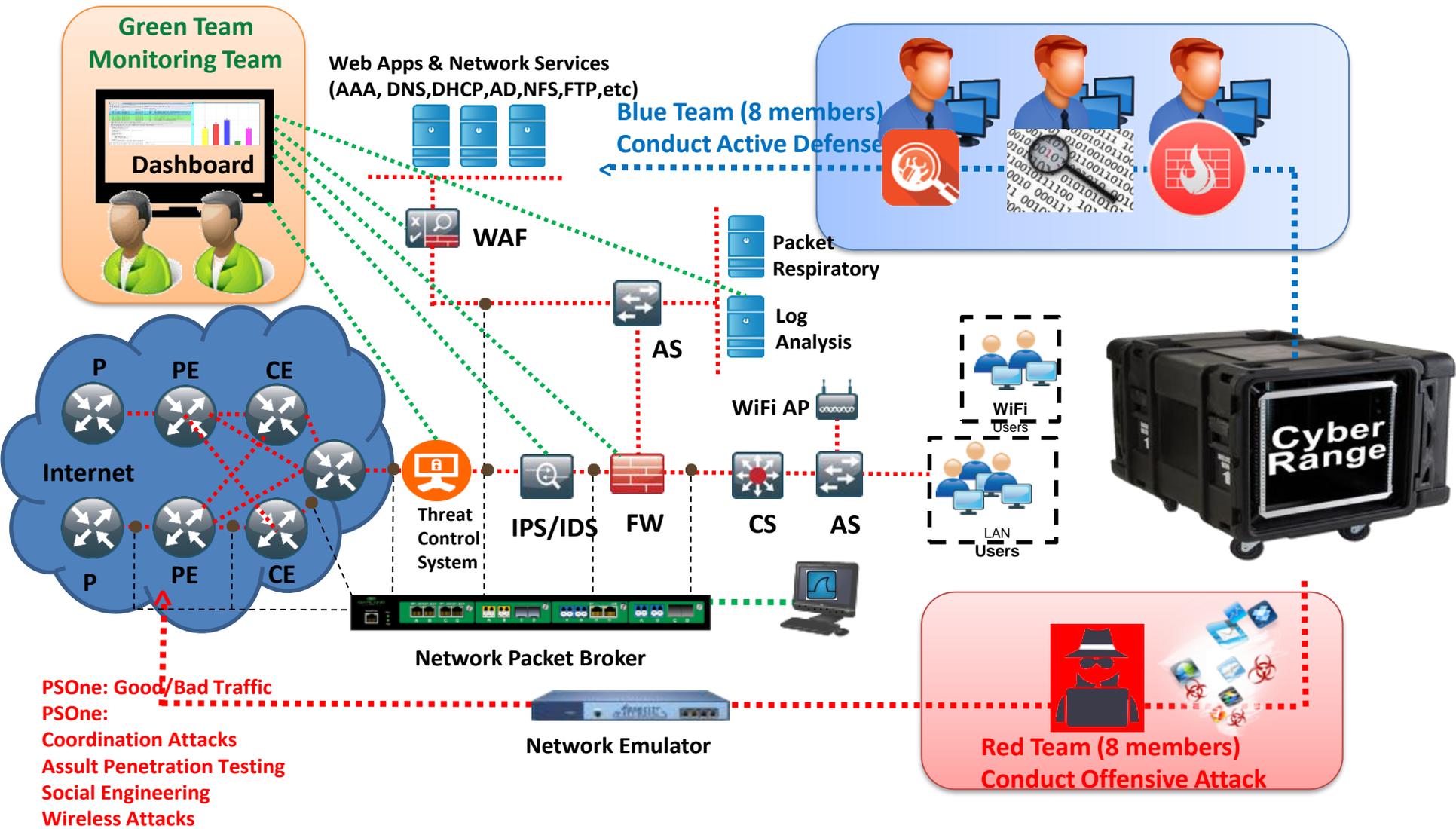
**Cyber range User Computer**

**Lab renovation**

**Documentation of the SOP, training modules, maintenance and any related materials**

**Professional services - Trainings Modules and conduct Train-The-Trainers training**

# Scope of Work on: Cyber Range Design and Implementation



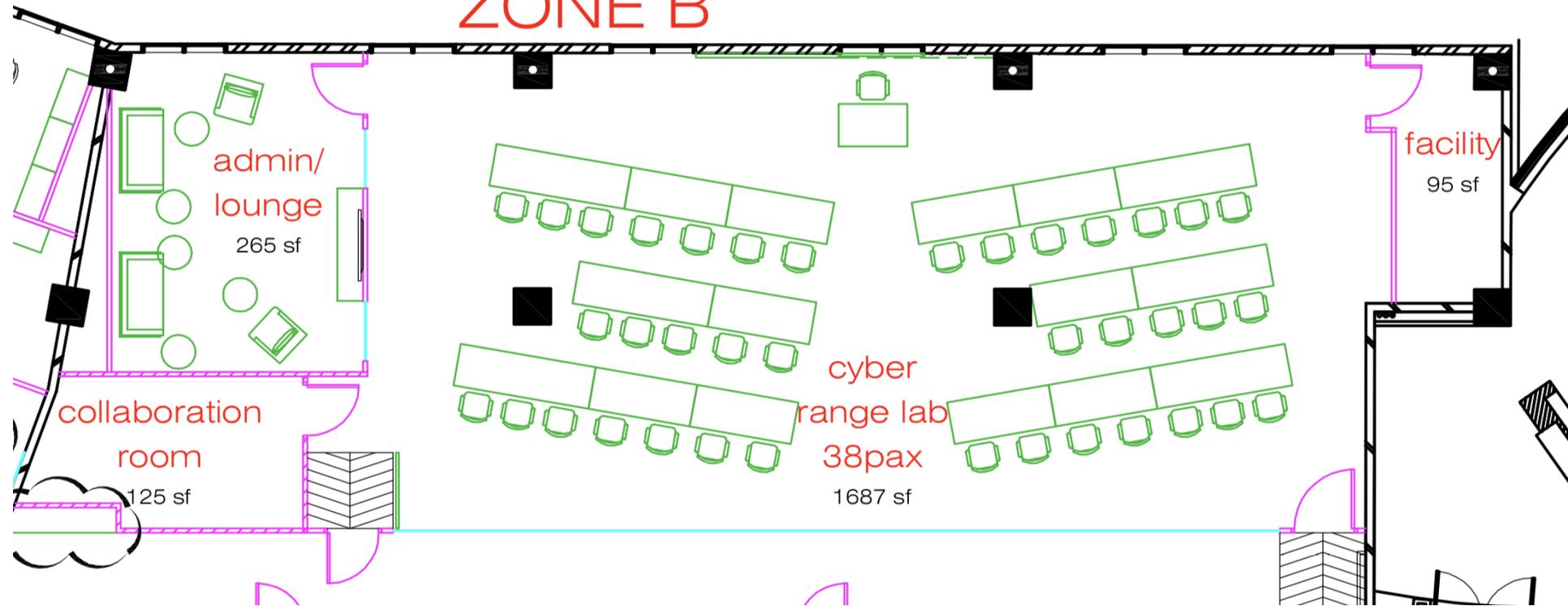
- PSOne: Good/Bad Traffic
- PSOne:
- Coordination Attacks
- Assult Penetration Testing
- Social Engineering
- Wireless Attacks

**Red Team (8 members)**  
Conduct Offensive Attack

# FLOOR PLAN – WORKING AREA



## ZONE B



# PROJECT TIMELINE



No	Matters	Date (Month)	Duration
1	Project Initiation/Kick-off meeting	1 <sup>st</sup> Month	7 days
2	System Requirement Spec, design sign-off	1 <sup>st</sup> Month	7
3	Electrical works Equipment & licenses procurement	1 <sup>st</sup> Month	7
4	Site prep	1 <sup>st</sup> Month	42
5	Equipment delivery	2 <sup>nd</sup> Month	21
6	Equipment installation	2 <sup>nd</sup> Month	14
7	Integration	2 <sup>nd</sup> Month	14
8	Testing and tuning	2 <sup>nd</sup> Month	14
9	Training	2 <sup>nd</sup> Month	7
10	Documentation	3 <sup>rd</sup> Month	40
11	Project Sing-off	3 <sup>rd</sup> Month	3
<b>Total</b>		<b>3 Months</b>	

# PAYMENT TERM



No	Payment Schedule	Payment (%)
1	Upon proper execution and stamping of the agreement or receipt of performance bond whichever earlier	15
2	Upon delivery and installation of hardware and software. Each software subscription shall be provided to MCMC with certification of subscription for 2 years (whichever applicable as per paragraph that is registered under MCMC's name	40
3	Upon acceptance of User Acceptance Test (UAT) to the satisfaction of the MCMC	25
4	Upon completion of 1 <sup>st</sup> training	10
5	Upon completion of the remaining training modules	10
<b>TOTAL</b>		<b>100</b>

# **TENDER COMPLIANCE AND REQUIREMENT**

## Each tender submission shall comprise :

A stack of three yellow folders, each containing a blue document with a barcode and text.

Technical Submission  
( 1 Original & 1 Copy)

Technical CD

Financial Submission  
(1 Original & 1 Copy)

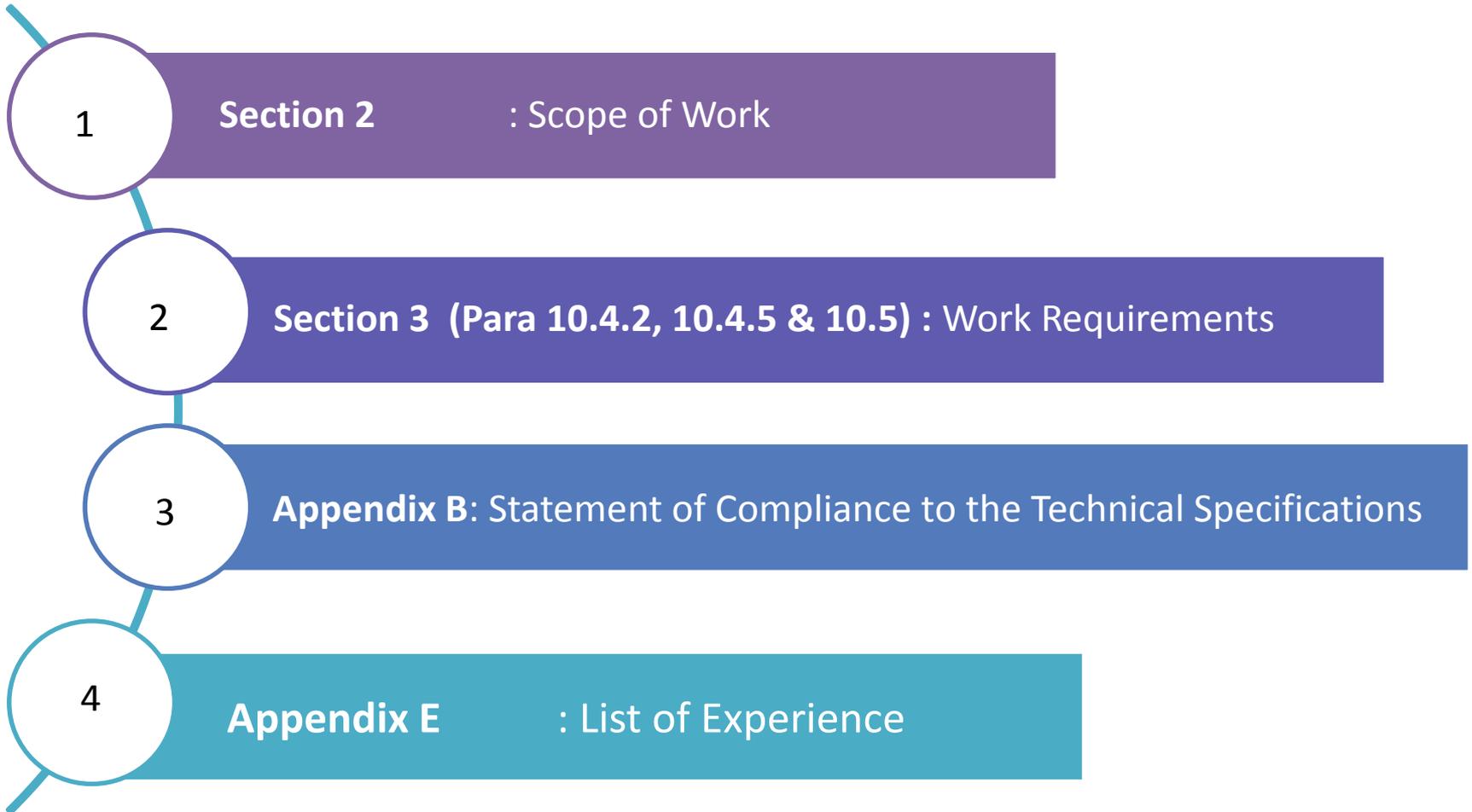
Financial CD

Must be type written & in English language

To complete [Acknowledgement Form](#) at the counter provided.

A close-up image of a person's hands using a pen to sign a document.

# Technical Submission



# Financial Submission



1. **Section 3** : Work Requirements (**Para 10.4.1, 10.4.3, 10.4.4, 10.4.6, 10.4.7 & 10.4.8**)
2. **Section 4** : Terms and Conditions of Tender
3. **Appendix A** : Statement of Compliance to the Terms and Conditions of Tender
4. **Appendix C** : Form of Tender Document
5. **Appendix D** : Form for Business & attached with 6 documents listed in page 4
6. **Appendix F** : Schedule of Price
7. **Appendix G** : Tenderer's Declaration
8. **Appendix H** : Declaration of Interest By Tenderer
9. **Form C** : Financial Details
10. **Form CA** : Bank Report on your financial status

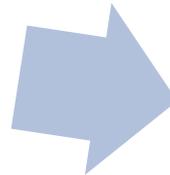
❖ **Please ensure that the official receipt (tax invoice) and the Tender Deposit amounting to RM10,000.00 are attached to Appendix C.  
Failure shall invalidate your submission.**

❖ **Please ensure that the Tenderer's official company stamp and authorized signature appear on all pages of the Financial Submission only.**

# Closing Date

## • Tender Clarification

- Strictly via email to [tender@cmc.gov.my](mailto:tender@cmc.gov.my) only.
- Before 5:00pm.
- On **6<sup>th</sup> November 2017**.



## • Tender Submission

- On or before **13<sup>th</sup> November 2017**.
- Before 12.00 noon.
- **Late submission shall be rejected.**

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**THANK YOU**

# Acknowledge Form



		<b>MCMC/DSD/NSD(2)/XYZ/TC/007/17(02)</b> ( Acknowledgement of Submission )		TENDER <b>CubaRance</b>
				Version 1
COMPANY PARTICULARS				For MCMC use only
1.	Company Name :			
2.	Company Address :  Tel. No : Fax. No : Email Address :			
3.	Name of representative :			
4.	Contact Persons (Maximum Three Only):			
a.	Name :  Designation :	Tel :  Email :	Signature:	
b.	Name :  Designation :	Tel :  Email :	Signature:	
c.	Name :  Designation :	Tel :  Email :	Signature:	
5.	Details of Submission:			
	No. of Box (Boxes)/ Envelope(s) :		Acknowledged Received : (Day / Date / Time)	

[Return](#)