Persatuan Pengendali Internet Malaysia (1332-08-SEL)
Block H-3A-5 Setia Walk, Persiaran Wawasan,
Pusat Bandar Puchong,47160 Puchong,
Selangor, Malaysia

Our Ref:

      /   /
(DD / MM / YY)

Chairman

Persatuan Pengendali Internet Malaysia (MyIX)

Dear Sir,

Application for Membership

	Item	Details	
1	Name of company (and registration number)		
2	Address, telephone and fax		
3	Autonomous System (AS) Number		
4	Nature of business		
5	Representative Details : Name Position Mobile Email		
6	Type of membership *(Select one)*	☐ Ordinary Member ☐ Associate Member	
7	For Ordinary Member please state NSP(I) license number and validity dates		

8	Supporting Parties
	
	Note:
	i. An application shall be proposed by an existing Ordinary Member of MyIX and seconded by another Ordinary Member.
	
	ii. The Proposer and Seconder shall be the authorized representatives of the respective Ordinary Member companies.
		1. Proposed by
		   Name:
		   Company:
			Signature & Stamp

		2. Seconded by
		   Name:
		   Company:
			Signature & Stamp

As a peering Member of MyIX, I hereby agree to the following:

- Each Member shall agree to be subject to the Membership Rules (Appendix 2)

- Each Member shall pay the necessary fees and government taxes, if applicable.

- To connect to MyIX, a Member can co-locate its routers at the co-location facility housing MyIX equipment, or connect remotely via Metro-Ethernet, leased lines or optic fibre. Such services, including leased lines or dark fibre connections, rack space and other related services shall not be part of MyIX services and shall be procured directly by a Member at its own costs from licensed service providers. Any such costs incurred shall be borne and paid directly by the Member.

- Members shall ensure that their use of MyIX facilities shall conform to the Technical Requirements (Appendix 3) including but not limited to that set out in Technical Appendix, which may be collectively revised by the Members from time to time.

Thank you.

Yours sincerely

Name
Position
Company Name and Number

APPENDIX 1

MEMBERSHIP

i.   There shall be two (2) classes of membership and these shall be Ordinary Members and Associate Members.

ii.   Ordinary Members

Membership for Ordinary Members shall be open to persons satisfying the following conditions:

a) shall be an existing legal entity incorporated in Malaysia;

b) shall possess a Network Service Provider (NSP) Individual license granted by the Minister in accordance with the Communications and Multimedia Act 1998 but excluding entities whose primary business is the hosting of content, including but not limited to hosting corporate websites, dedicated server hosting, shared hosting or offshore hosting; and

c) shall have an Autonomous System Number which is issued to Malaysian entities by the regional Autonomous System assigning authority for networks in Malaysia.

iii.   Associate Members

Membership for Associate Members shall be open to persons satisfying the following conditions:

a) shall be an existing legal entity incorporated in Malaysia and whose business in the opinion of the Committee is involved or associated with content which is delivered via the internet;

b) shall have an Autonomous System Number which is issued to Malaysian entities by the regional Autonomous System assigning authority for networks in Malaysia.

iv.   Membership Qualification

Ordinary & Associate Membership shall be open to entities with registered business address in Malaysia. Associate members shall enjoy the same privileges of Ordinary Members except that they may not vote or stand for election for any position at any general meeting or be eligible to be nominated to the Committee.

v.   Submission Of Membership Application

Every application for membership shall be proposed and seconded by two existing ordinary members and shall be forwarded to the Secretary who shall at the first convenient opportunity, submit it to the Committee for approval. The Committee may at its discretion reject any application without assigning any reason.

vi.   Admission Of Members

Every applicant whose application has been approved as aforesaid shall, upon payment of the prescribed entrance fee and first monthly subscription including government taxes (if applicable), be admitted as a member of the Association and shall be entitled to all the privileges of membership (as conferred to each class of membership). Each entity as Ordinary Member shall have one vote.

APPENDIX 2

PEERING RULES

i.   Each Member shall be entitled to use the Services of MyIX (Appendix 4), subject to its compliance with the terms and conditions of MyIX.

ii.   Each Member shall at its own cost:

(a)   procure rack space and co-location services;

(b)   insure its equipments (including third party insurance) while it is located at one of MyIX co-location facilities at Menara AIMS, Kuala Lumpur and CSF Computer Exchange, Jalan Teknokrat 6, Cyberjaya ("Co-Location Facility"); and

(c)   ensure the faultless connection of its network through leased line (directly from any relevant licensed service providers at the relevant Co-Location Facility or any other connecting medium approved by MyIX Operator from time to time) to MyIX network in accordance with the Technical Requirements,

iii.   Members shall ensure that their use of MyIX services:

(a)   shall conform to the Technical Requirements;

(b)   shall not, to the opinion of MyIX Operator, cause undesirable load and/or traffic patterns; and/or

(c)   shall not adversely affect other Members and/or the entire exchange.

(d)   shall not be detrimental in any way and does not cause damage to MyIX network / infrastructure or to the usage of MyIX services by the other Members or to the traffic exchange thereon.

iv.   Each Member shall be solely responsible for its own equipment including all maintenance, repairs, configuration and operation thereof and shall obtain and maintain adequate insurance to cover any damage howsoever caused to its equipment while it is within the Co-Location Facility and/or MyIX's racks (including damage by MyIX or third party staff or equipment) and third party liability insurance in the event the Member's equipment causes damage to MyIX and/or third party staff or equipment.

v.   Members shall not use the Services of MyIX to carry out any illegal or unauthorized activities which are in any way detrimental and/or may possibly cause any damage to MyIX network or infrastructure and/or to the use of MyIX services by any other Members and/or to the traffic exchange thereon.

vi.   Members shall be fully responsible for and hold MyIX Operator harmless from the content of its traffic being transmitted through the Association network.

vii.   Members shall ensure that it shall be at all times in compliance with the conditions of its Network Service Provider (Individual) license under which it is authorized to provide Internet network services and connect to MyIX and shall hold MyIX Operator harmless from any of its violation of such license conditions.

viii.   Members will be allowed to carry out bilateral peering/transit amongst themselves without using MyIX switches or any other MyIX networking equipment.

ix.   Each Member shall ensure that all contact information submitted to MyIX Operator in connection with its membership is correct and kept up-to-date and in particular, the Member shall:

   (a)   provide 24x7 operational contact details for use by MyIX staff and other Members and ensure such personnel understand the requirements of this MOU;

   (b)   provide a dedicated e-mail address for which requests for peering should be sent.

x.   In line with the policy aspirations of MyIX contained in the founding MOU, members are strongly encouraged to have an open peering policy. In the interest of transparency, Members are required to publish their peering policy.

xi.   Members shall ensure that none of their customers or any agent of their customers are referred directly to any MyIX support staff unless specifically authorized by a member of MyIX staff in writing.

APPENDIX 3

TECHNICAL REQUIREMENTS

(a)   Members shall ensure that their usage of MyIX services is not detrimental to MyIX network at all times. The term "detrimental" refers to usage which, in the reasonable opinion of MyIX Operator either:
- does not conform to the requirements as stated in (b); or
- causes undesirable load and/or traffic patterns; and
- adversely affects other Members and/or the entire exchange

(b)   Members shall conform to the following requirements at all times:

1. Physical

1.1 Ethernet interfaces attached to MyIX ports shall be explicitly configured with duplex, speed and other configuration settings and shall not be auto-sensing.

2. MAC Layer

2.1 Frames forwarded to MyIX ports shall have one of the following Ethertypes

   a.   0x0800 - IPv4
   b.   0x0806 - ARP
   c.   0x86dd - IPv6

2.2 Frames forwarded to an individual MyIX port shall all have the same source MAC address.

2.3 Frames forwarded to the MyIX ports shall not be addressed to a multicast or broadcast MAC destination address except as follows:

   a.   broadcast ARP packets
   b.   multicast IPv6 Neighbor Discovery packets

2.4 Traffic for *link-local protocols* shall not be forwarded to MyIX ports except for the following:

   a.   ARP
   b.   IPv6 ND

   Link local protocols includes but is not limited to:

   a.   IRDP
   b.   ICMP redirects
   c.   IEEE802 Spanning Tree
   d.   Vendor proprietary discovery protocols (e.g. CDP, EDP)
   e.   Interior routing protocol broadcasts (e.g. OSPF, ISIS, IGRP, EIGRP)
   f.   BOOTP/DHCP
   g.   PIM-SM

h. PIM-DM
i. DVMRP

3. IP Layer

3.1 At the initial stage, MyIX network is operating on Layer 2 architecture. Should MyIX intend to operate at Layer 3, interfaces connected to MyIX ports shall only use IP addresses and netmasks (prefix lengths) assigned to them by MyIX Operator. In particular:

a. IPv6 addresses (link & global scope) shall be explicitly configured and not auto-configured.
b. IPv6 site-local addresses shall not be used.

3.2 IP packets addressed to MyIX peering LAN directed broadcast address shall not be automatically forwarded to MyIX ports.

4. Routing

4.1 All exchange of routes across MyIX network shall be via BGP4(+).

4.2 AS numbers used in BGP4(+) sessions across MyIX network shall not be from ranges reserved for private use.

4.3 MyIX supports good engineering practice and MyIX Members are encouraged to aggregate their routes in accordance with RFC2519 "A Framework for Inter-Domain Route Aggregation".

4.4 All routes advertised across MyIX network shall point to the router advertising it UNLESS agreement has been made in advance in writing by MyIX Operator and the two members involved.

4.5 All routes to be advertised in a peering session across MyIX shall be registered in the APNIC or other public routing registry.

4.6 Members may use more than one ASN for their MyIX peering provided that each ASN presented shares the same NOC and peering contact details.

5. Forwarding

5.1 Traffic shall only be forwarded to a Member when permission has been given by the receiving Member and made known to MyIX Operator.

5.2 Traffic shall not be routinely exchanged between two MyIX ports owned by the same MyIX Member [whether at the same node or another MyIX node at a different location].

6. Additional Rules for Member equipment hosted at a MyIX site

Where Member equipment is hosted at a MyIX site, Members shall also adhere to the following Rules:

6.1 Member equipment and cabling shall be clearly labeled with the name of the Member.

6.2 Persons working in a MyIX site on behalf of a Member shall not interfere with another Member's equipment or cables without explicit permission from the owner of the equipment.

6.3 As MyIX Operator is also tasked with traffic monitoring, every Member must peer with the route collector.

6.4 Where a Member's MyIX connectivity is experiencing congestion (70 percentile rule applies), the Member shall implement measures to alleviate congestion and this may include, but is not limited to, link capacity upgrades (either external connectivity to MyIX or MyIX port upgrades) or equipment upgrades.

APPENDIX 4

SERVICES OF MYIX

MyIX Operator shall:

(a) provide and maintain the connection to MyIX equipment for Member(s);

(b) provide rack space to the Member at the Co-Location Facility;

(c) allow access to the core areas of Co-Location Facility only to authorized personnel of Member under supervision of MyIX staff;

(d) provide 24 x 7 watch of the Member's equipment;

(e) provide installation and support services for MyIX;

(f) provide network management related services; and

(g) provide any other services as decided by MyIX Operator.