1. P802.1AB C	Outstanding Comments
Comment 1	Les Bell
COMMENT TYPE	E: TR
CLAUSE: 12	
PAGE: 63	
LINE: 31 << Edito COMMENT STAR	or's note - should be line 13) >> RT:
	for this object should be expressed as a list of the enumerated values a 2578, section 7.9.
COMMENT END: SUGGESTED CH	
Replace "DEFVAI	_ { "0xF0"} with
"DEFVAL { { port	tDesc, sysName, sysDesc, sysCap } }".
SUGGESTED CH	ANGES END:
Disposition o	f Comment 1
Accept	
Comment 2	Les Bell
COMMENT TYPE	E: ER
CLAUSE: C.1.1	
PAGE: 91	
LINE: 16 COMMENT STAI	RT:
This paragraph is c	commentary intended as guidance to MIB authors for what to include ection.

COMMENT END:		$\frac{1}{2}$	
SUGGESTED CHANGES START:			
Delete this paragraph.			
1 6 1	•	4 5	
SUGGESTED CHA	ANGES END:	6	
		7 8	
Disposition of	f Comment 2	9	
		10	
See resolution to ne	ext comment	11	
		12	
		13 14	
Comment 3	Les Bell	15	
		16	
COMMENT TYPE	E: ER	17	
CLAUSE: C.1.1		18	
PAGE: 91		19 20	
		20	
	LINE: 24		
COMMENT STAR	(1:	23	
This paragraph is co	ommentary intended as guidance to MIB authors for what to include		
the MIB security se	ection.	25	
		26 27	
COMMENT END:			
SUGGESTED CHA	ANGES START:	28 29	
Replace this line wi	ith a list of all sensitive MIB objects, stating why they are sensitive	30	
P		31	
SUGGESTED CHA	ANCES END:	32	
SUGGESTED CITA	ANGES END.	33 34	
Disposition of	f Comment 3	35	
2.0000.000		36	
Accept:		37	
Песери		38	
Delete annex C		39 40	
Number the MIB do	efinition in clause 12 as 12.1.	40	
A dd 1 1		42	
Add new subclause		43	
12.2 Security Consi	iderations (For LLDP base MIB module)	44	
.= 22232203		45	
		46	

1 There are a number of management objects defined in this MIB module 2 with a MAX-ACCESS clause of read-write. Such objects may be 3 considered sensitive or vulnerable in some network environments. The 4 support for SET operations in a non-secure environment without proper 5 protection can have a negative effect on network operations. 6 7 Setting the following objects to incorrect values can result in an 8 excessive number of LLDP packets being sent by the LLDP agent: 9 10 lldpMessageTxInterval 11 lldpTxDelay 12 13 Setting the object, lldpMessageTxHoldMultiplier, to incorrect values 14 can cause the LLDP agent to transmit LLDPDUs with too-high TTL values, which affect the expiration time of objects associated with the given 15 16 LLDP agent in lldpRemTable. 17 18 Setting the following objects to incorrect values can result in improper operation of LLDP: 19 20 21 lldpPortConfigAdminStatus 22 lldpPortConfigTLVsTxEnable 23 lldpManAddrPortsTxEnable 24 25 All readable objects in this MIB module (i.e., objects with a MAX-ACCESS other than not-accessible) may be considered sensitive or 26 27 vulnerable in some network environments. This concern applies both 28 to objects that describe the configuration of the local host, as 29 well as for objects that describe information from the remote hosts, acquired via LLDP and displayed by the objects in this MIB module. It 30 31 is thus important to control even GET and/or NOTIFY access to these 32 objects and possibly to even encrypt the values of these objects when 33 sending them over the network via SNMP. 34 35 It is thus important to control even GET and/or NOTIFY access to 36 these objects and possibly to even encrypt their values when sending 37 them over the network via SNMP. 38 39 SNMP versions prior to SNMPv3 did not include adequate security. 40 Even if the network itself is secure (for example by using IPSec), 41 even then, there is no control as to who on the secure network is 42 allowed to access and GET/SET (read/change/create/delete) the objects 43 in this MIB module. 44 45 It is RECOMMENDED that implementers consider the security features as

provided by the SNMPv3 framework (see RFC3410, section 8),

including full support for the SNMPv3 cryptographic mechanisms (for		
d privacy).	2	
ent of SNMP versions prior to SNMPy3 is NOT	3 4	
RECOMMENDED. Instead, it is RECOMMENDED to deploy SNMPv3 and to		
★ •	5 6	
ensure that the SNMP entity giving access to an	7	
IIB module is properly configured to give access to	8	
o those principals (users) that have legitimate	9	
GET or SET (change/create/delete) them.	10	
	11	
Les Bell	12 13	
	13	
COMMENT TYPE: ER		
	15 16	
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RT:	20 21	
mentary intended as guidance to MIB authors for what to include in the	22	
·	23	
	24	
	25 26	
COMMENT END:		
ANGES START:	27	
	28 29	
	30	
ANGES END:	31	
	32	
F Comment 4	33	
	34	
sed resolution in previous comment	35 36	
For the second s	37	
Les Bell	38	
	39	
COMMENT TYPE: ER		
CLAUSE: G.6.5		
	42	
	43 44	
LINE: 104 -117		
COMMENT START:		
	ent of SNMP versions prior to SNMPv3 is NOT D. Instead, it is RECOMMENDED to deploy SNMPv3 and to obic security. It is then a customer/operator ensure that the SNMP entity giving access to an IIB module is properly configured to give access to o those principals (users) that have legitimate of the SET of SET (change/create/delete) them. Les Bell E. ER ANGES START: ANGES START: ANGES END: F Comment 4 sed resolution in previous comment Les Bell E. ER	

1 2 3	There should be a Security Considerations section for this MIB, similar to Annex C.
4	
5	COMMENT END:
6 7	SUGGESTED CHANGES START:
8	Either:
9	(1) Add a Security sub-clause for Annex G; or
10	(2) Include the relevant MIB objects from this MIB in Annex C.
11 12	This also applies to the MIB in Annex H.
13 14	SUGGESTED CHANGES END:
15 16	Disposition of Comment 5
17	
18 19	Accept - This is similar to comments 32, 33, and 34.
20 21	Add new subclause:
22 23	G.6.6 Security Considerations (For LLDP 802.1 extension MIB module)
24	There are a number of management objects defined in this MIB module
25	with a MAX-ACCESS clause of read-write. Such objects may be
26 27	considered sensitive or vulnerable in some network environments. The
28	support for SET operations in a non-secure environment without proper protection can have a negative effect on network operations.
29	protection can have a negative effect on network operations.
30	Setting the following objects to incorrect values can result in
31	improper operation of LLDP:
32	and the state of t
33	lldpXdot1ConfigPortVlanTxEnable
34	lldpXdot1VlanNamePortsTxEnable
35	lldpXdot1ProtoVlanPortsTxEnable
36	lldpXdot1ProtoPortsTxEnable
37	
38	All readable objects in this MIB module (i.e., objects with a
39	MAX-ACCESS other than not-accessible) may be considered sensitive or
40	vulnerable in some network environments. This concern applies both
41	to objects that describe the configuration of the local host, as
42	well as for objects that describe information from the remote hosts,
43	acquired via LLDP and displayed by the objects in this MIB module. It
44	is thus important to control even GET and/or NOTIFY access to these
45	objects and possibly to even encrypt the values of these objects when
46	sending them over the network via SNMP.

	1
It is thus important to control even GET and/or NOTIFY access to	2
these objects and possibly to even encrypt their values when sending	3
them over the network via SNMP.	4
	5
SNMP versions prior to SNMPv3 did not include adequate security.	6
Even if the network itself is secure (for example by using IPSec),	7
even then, there is no control as to who on the secure network is	8
allowed to access and GET/SET (read/change/create/delete) the objects	9
in this MIB module.	10
	11
It is RECOMMENDED that implementers consider the security features as	12
provided by the SNMPv3 framework (see RFC3410, section 8),	13
including full support for the SNMPv3 cryptographic mechanisms (for	14
authentication and privacy).	15
www.com.com una privacy).	16
Further, deployment of SNMP versions prior to SNMPv3 is NOT	17
RECOMMENDED. Instead, it is RECOMMENDED to deploy SNMPv3 and to	18
enable cryptographic security. It is then a customer/operator	19
responsibility to ensure that the SNMP entity giving access to an	20
instance of this MIB module is properly configured to give access to	21
the objects only to those principals (users) that have legitimate	22
rights to indeed GET or SET (change/create/delete) them.	23
rights to indeed GDT of SDT (change, eleate, delete) them.	24
	25
Also add a new subclause	26
H.5.6 Security Considerations (For LLDP 802.3 extension MIB module)	27
•	28
There are a number of management objects defined in this MIB module	29
with a MAX-ACCESS clause of read-write. Such objects may be	30
considered sensitive or vulnerable in some network environments. The	31
support for SET operations in a non-secure environment without proper	32
protection can have a negative effect on network operations.	33
Catting the shiret Ilda Vdat 2 Dout Config TI Vo Tru Enghla to in some of	34
Setting the object, lldpXdot3PortConfigTLVsTxEnable, to incorrect	35
values can result in improper operation of LLDP:	36
All models objects in this MID module (i.e. objects with a	37
All readable objects in this MIB module (i.e., objects with a	38
MAX-ACCESS other than not-accessible) may be considered sensitive or	39
vulnerable in some network environments. This concern applies both	40
to objects that describe the configuration of the local host, as	41
well as for objects that describe information from the remote hosts,	42
acquired via LLDP and displayed by the objects in this MIB module. It	43
is thus important to control even GET and/or NOTIFY access to these	44
objects and possibly to even encrypt the values of these objects when	45
sending them over the network via SNMP.	46
	10

It is thus important to control even GET and/or NOTIFY access to these objects and possibly to even encrypt their values when sending them over the network via SNMP. SNMP versions prior to SNMPv3 did not include adequate security. Even if the network itself is secure (for example by using IPSec), even then, there is no control as to who on the secure network is allowed to access and GET/SET (read/change/create/delete) the objects in this MIB module. It is RECOMMENDED that implementers consider the security features as provided by the SNMPv3 framework (see RFC3410, section 8), including full support for the SNMPv3 cryptographic mechanisms (for authentication and privacy). Further, deployment of SNMP versions prior to SNMPv3 is NOT RECOMMENDED. Instead, it is RECOMMENDED to deploy SNMPv3 and to enable cryptographic security. It is then a customer/operator responsibility to ensure that the SNMP entity giving access to an instance of this MIB module is properly configured to give access to the objects only to those principals (users) that have legitimate rights to indeed GET or SET (change/create/delete) them.