

Annex 30A

(normative)

GDMO specification for 802.3 managed object classes

<<Editor's Note: Any values of OBJECT IDENTIFIER required to complete these GDMO definitions will be allocated when this draft is issued for Sponsor ballot.>>

30A.1.1 DTE MAC entity formal definition

Insert the following name binding definitions after the current definition nbMACName in 30.A.1.1:

nbMAC-MACControl

NAME BINDING

SUBORDINATE OBJECT CLASS oMACEntity;
NAMED BY SUPERIOR OBJECT CLASS oMACControlEntity
WITH ATTRIBUTE aMACID
REGISTERED AS {iso(1) member-body(2) us(840) 802dot3(10006) csmacdmgt(30) nameBind-
 ing(6) nbMAC-MACControl(??)};

<<Editor's Note: At the moment there is no name binding for a MAC to a MAC Control Entity; the above is offered in order to fix this problem.>>

nbMAC-Aggregator

NAME BINDING

SUBORDINATE OBJECT CLASS oMACEntity;
NAMED BY SUPERIOR OBJECT CLASS oAggregator;
WITH ATTRIBUTE aMACID
REGISTERED AS {iso(1) member-body(2) us(840) 802dot3(10006) csmacdmgt(30) nameBind-
 ing(6) nbMAC-Aggregator(??)};

30A.3.1 DTE MAC control entity formal definition

Insert the following name binding definitions before the current definition nbMACControlMonitor in 30.A.3.1:

nbMACControl-System

NAME BINDING

SUBORDINATE OBJECT CLASS oMACControlEntity;
NAMED BY SUPERIOR OBJECT CLASS "ISO/IEC 10165-2":system;
WITH ATTRIBUTE aMACControlID
REGISTERED AS {iso(1) member-body(2) us(840) 802dot3(10006) csmacdmgt(30) nameBind-
 ing(6) nbMACControl-System(??)};

<<Editor's Note: At the moment there is no name binding for MAC Control Entity; the above is offered in order to fix this problem.>>

nbMACControl-Aggregator

NAME BINDING

SUBORDINATE OBJECT CLASS oMACControlEntity;

NAMED BY SUPERIOR OBJECT CLASS oAggregator; 1
 WITH ATTRIBUTE aMACControlID 2
 REGISTERED AS {iso(1) member-body(2) us(840) 802dot3(10006) csmacdmgmt(30) nameBinding(6) nbMACControl-Aggregator(??)}; 3
 4

Insert the following new subclauses in sequence after 30.A.10: 5
 6
 7

30A.11 Aggregator managed object class 8 9

30A.11.1 Aggregator, formal definition 10 11

oAggregator **MANAGED OBJECT CLASS** 12
 13
 14
 DERIVED FROM "CCITT Rec. X.721 (1992) | ISO/IEC 10165-2 : 1992":top; 15
 CHARACTERIZED BY 16
 pXXBasic PACKAGE 17
 ATTRIBUTES aAggID GET; 18
 ; 19
 ; 20
 CONDITIONAL PACKAGES 21
 pAggregatorMandatory PACKAGE 22
 ATTRIBUTES aAggDescription GET, 23
 aAggName GET-REPLACE, 24
 aAggActorSystemID GET, 25
 aAggActorSystemPriority GET-REPLACE, 26
 aAggDataRate GET, 27
 aAggActorAdminKey GET-REPLACE, 28
 aAggActorOperKey GET, 29
 aAggMACAddress GET, 30
 aAggPartnerSystemID GET, 31
 aAggPartnerKey GET, 32
 aAggAdminState GET-REPLACE, 33
 aAggOperState GET, 34
 aAggTimeOfLastOperChange GET, 35
 aAggFramesTxOK GET, 36
 aAggFramesRxOK GET, 37
 aAggLinkUpDownNotificationEnable GET-REPLACE; 38
 NOTIFICATIONS 39
 nAggLinkUpNotification, 40
 nAggLinkDownNotification; 41
 REGISTERED AS 42
 {iso(1) member-body(2) us(840) 802dot3(10006) csmacd- 43
 mgt(30) package(4) pAggregatorMandatory(??)}; 44
 PRESENT IF !Conformance to Link Aggregation management is desired!; 45
 pAggregatorRecommendedPACKAGE 46
 ATTRIBUTES aAggOctetsTxOK GET, 47
 aAggOctetsRxOK GET, 48
 aAggFramesDiscardedOnTx GET, 49
 aAggFramesDiscardedOnRx GET, 50
 aAggFramesWithTxErrors GET, 51
 aAggFramesWithRxErrors GET, 52
 aAggUnknownProtocolFrames GET, 53
 54
 55

	aAggPortList	GET;	1
REGISTERED AS			2
	{iso(1) member-body(2) us(840) 802dot3(10006) csmacd-		3
	mgt(30) package(4) pAggregatorRecommended(?)};		4
PRESENT IF	!The recommended package is implemented!;		5
pAggregatorOptional	PACKAGE		6
ATTRIBUTES	aAggMulticastFramesTxOK	GET;	7
	aAggMulticastFramesRxOK	GET;	8
	aAggBroadcastFramesTxOK	GET;	9
	aAggBroadcastFramesRxOK	GET;	10
REGISTERED AS			11
	{iso(1) member-body(2) us(840) 802dot3(10006) csmacd-		12
	mgt(30) package(4) pAggregatorOptional(?)};		13
PRESENT IF	!The optional package is implemented!;		14
;			15
REGISTERED AS	{iso(1) member-body(2) us(840) 802dot3(10006) csmacdmgt(30) managedOb-		16
	jectClass(3) oAggregator(?)};		17
			18
nbAggregatorName	NAME BINDING		19
			20
SUBORDINATE OBJECT CLASS	oAggregator;		21
NAMED BY SUPERIOR OBJECT CLASS	"ISO/IEC 10165-2":system;		22
WITH ATTRIBUTE	aAggID		23
REGISTERED AS	{iso(1) member-body(2) us(840) 802dot3(10006) csmacdmgt(30) nameBind-		24
	ing(6) nbAggregatorName(?)};		25
			26
30A.11.2 Aggregator attributes			27
			28
aAggID	ATTRIBUTE		29
			30
WITH ATTRIBUTE SYNTAX	IEEE802Dot3-MgmtAttributeModule.AggID;		31
MATCHES FOR	EQUALITY;		32
BEHAVIOUR	b AggID;		33
REGISTERED AS	{iso(1) member-body(2) us(840) 802dot3(10006) csmacdmgt(30) attribute(7)		34
	aAggID(?)};		35
			36
bAggID	BEHAVIOUR		37
			38
DEFINED AS	!See "BEHAVIOUR DEFINED AS" in 30.7.1.1!;		39
			40
aAggDescription	ATTRIBUTE		41
			42
WITH ATTRIBUTE SYNTAX	IEEE802Dot3-MgmtAttributeModule.DescriptionString;		43
MATCHES FOR	EQUALITY;		44
BEHAVIOUR	bAggDescription;		45
REGISTERED AS	{iso(1) member-body(2) us(840) 802dot3(10006) csmacdmgt(30) attribute(7)		46
	aAggDescription(?)};		47
			48
bAggDescription	BEHAVIOUR		49
			50
DEFINED AS	!See "BEHAVIOUR DEFINED AS" in 30.7.1.2!;		51
			52
			53
			54
			55

aAggName	ATTRIBUTE	1
		2
WITH ATTRIBUTE SYNTAX	IEEE802Dot3-MgmtAttributeModule.DescriptionString;	3
MATCHES FOR	EQUALITY;	4
BEHAVIOUR	bAggName;	5
REGISTERED AS	{iso(1) member-body(2) us(840) 802dot3(10006) csmacdmgt(30) attribute(7) aAggName(??)};	6
		7
		8
bAggName	BEHAVIOUR	9
		10
DEFINED AS	!See "BEHAVIOUR DEFINED AS" in 30.7.1.3!;	11
		12
aAggActorSystemID	ATTRIBUTE	13
		14
WITH ATTRIBUTE SYNTAX	IEEE802Dot3-MgmtAttributeModule.MACAddress;	15
MATCHES FOR	EQUALITY, ORDERING;	16
BEHAVIOUR	bAggActorSystemID;	17
REGISTERED AS	{iso(1) member-body(2) us(840) 802dot3(10006) csmacdmgt(30) attribute(7) aAggActorSystemID(??)};	18
		19
		20
bAggActorSystemID	BEHAVIOUR	21
		22
DEFINED AS	!See "BEHAVIOUR DEFINED AS" in 30.7.1.4!;	23
		24
aAggActorSystemPriority	ATTRIBUTE	25
		26
WITH ATTRIBUTE SYNTAX	IEEE802Dot3-MgmtAttributeModule.PriorityValue;	27
INTEGER		28
MATCHES FOR	EQUALITY, ORDERING;	29
BEHAVIOUR	bAggActorSystemPriority;	30
REGISTERED AS	{iso(1) member-body(2) us(840) 802dot3(10006) csmacdmgt(30) attribute(7) aAggActorSystemPriority(??)};	31
		32
		33
bAggActorSystemPriority	BEHAVIOUR	34
		35
DEFINED AS	!See "BEHAVIOUR DEFINED AS" in 30.7.1.5!;	36
		37
aAggDataRate	ATTRIBUTE	38
		39
WITH ATTRIBUTE SYNTAX	IEEE802Dot3-MgmtAttributeModule.AggDataRate;	40
INTEGER		41
MATCHES FOR	EQUALITY, ORDERING;	42
BEHAVIOUR	bAggDataRate;	43
REGISTERED AS	{iso(1) member-body(2) us(840) 802dot3(10006) csmacdmgt(30) attribute(7) aAggDataRate(??)};	44
		45
		46
bAggDataRate	BEHAVIOUR	47
		48
DEFINED AS	!See "BEHAVIOUR DEFINED AS" in 30.7.1.6!;	49
		50
aAggActorAdminKey	ATTRIBUTE	51
		52
WITH ATTRIBUTE SYNTAX	IEEE802Dot3-MgmtAttributeModule.KeyValue;	53
INTEGER		54
		55

MATCHES FOR	EQUALITY;	1
BEHAVIOUR	bAggActorAdminKey;	2
REGISTERED AS	{iso(1) member-body(2) us(840) 802dot3(10006) csmacdmgt(30) attribute(7) aAggActorAdminKey(??)};	3
		4
bAggActorAdminKey	BEHAVIOUR	5
		6
DEFINED AS	!See "BEHAVIOUR DEFINED AS" in 30.7.1.7!;	7
		8
aAggActorOperKey	ATTRIBUTE	9
		10
WITH ATTRIBUTE SYNTAX	IEEE802Dot3-MgmtAttributeModule.KeyValue;	11
INTEGER		12
MATCHES FOR	EQUALITY;	13
BEHAVIOUR	bAggActorOperKey;	14
REGISTERED AS	{iso(1) member-body(2) us(840) 802dot3(10006) csmacdmgt(30) attribute(7) aAggActorOperKey(??)};	15
		16
		17
bAggActorOperKey	BEHAVIOUR	18
		19
DEFINED AS	!See "BEHAVIOUR DEFINED AS" in 30.7.1.8!;	20
		21
		22
aAggMACAddress	ATTRIBUTE	23
		24
WITH ATTRIBUTE SYNTAX	IEEE802Dot3-MgmtAttributeModule.MACAddress;	25
MATCHES FOR	EQUALITY, ORDERING;	26
BEHAVIOUR	bAggMACAddress;	27
REGISTERED AS	{iso(1) member-body(2) us(840) 802dot3(10006) csmacdmgt(30) attribute(7) aAggMACAddress(??)};	28
		29
		30
bAggMACAddress	BEHAVIOUR	31
		32
DEFINED AS	!See "BEHAVIOUR DEFINED AS" in 30.7.1.9!;	33
		34
		35
aAggPartnerSystemID	ATTRIBUTE	36
		37
WITH ATTRIBUTE SYNTAX	IEEE802Dot3-MgmtAttributeModule.MACAddress;	38
MATCHES FOR	EQUALITY, ORDERING;	39
BEHAVIOUR	bAggPartnerSystemID;	40
REGISTERED AS	{iso(1) member-body(2) us(840) 802dot3(10006) csmacdmgt(30) attribute(7) aAggPartnerSystemID(??)};	41
		42
bAggPartnerSystemID	BEHAVIOUR	43
		44
DEFINED AS	!See "BEHAVIOUR DEFINED AS" in 30.7.1.10!;	45
		46
		47
aAggPartnerKey	ATTRIBUTE	48
		49
WITH ATTRIBUTE SYNTAX	IEEE802Dot3-MgmtAttributeModule.KeyValue;	50
MATCHES FOR	EQUALITY;	51
BEHAVIOUR	bAggPartnerKey;	52
REGISTERED AS	{iso(1) member-body(2) us(840) 802dot3(10006) csmacdmgt(30) attribute(7) aAggPartnerKey(??)};	53
		54
		55

bAggPartnerKey	BEHAVIOUR	1
DEFINED AS	!See "BEHAVIOUR DEFINED AS" in 30.7.1.11!;	2
		3
aAggAdminState	ATTRIBUTE	4
WITH ATTRIBUTE SYNTAX	IEEE802Dot3-MgmtAttributeModule.AggState;	5
MATCHES FOR	EQUALITY;	6
BEHAVIOUR	bAggAdminState;	7
REGISTERED AS	{iso(1) member-body(2) us(840) 802dot3(10006) csmacdmgt(30) attribute(7) aAggAdminState(??)};	8
		9
bAggAdminState	BEHAVIOUR	10
DEFINED AS	!See "BEHAVIOUR DEFINED AS" in 30.7.1.12!;	11
		12
aAggOperState	ATTRIBUTE	13
WITH ATTRIBUTE SYNTAX	IEEE802Dot3-MgmtAttributeModule.AggState;	14
MATCHES FOR	EQUALITY;	15
BEHAVIOUR	bAggOperState ;	16
REGISTERED AS	{iso(1) member-body(2) us(840) 802dot3(10006) csmacdmgt(30) attribute(7) aAggOperState(??)};	17
		18
bAggOperState	BEHAVIOUR	19
DEFINED AS	!See "BEHAVIOUR DEFINED AS" in 30.7.1.13!;	20
		21
aAggTimeOfLastOperChange	ATTRIBUTE	22
WITH ATTRIBUTE SYNTAX	IEEE802Dot3-MgmtAttributeModule.Integer32;	23
MATCHES FOR	EQUALITY, ORDERING;	24
BEHAVIOUR	bAggTimeOfLastOperChange;	25
REGISTERED AS	{iso(1) member-body(2) us(840) 802dot3(10006) csmacdmgt(30) attribute(7) aAggTimeOfLastOperChange(??)};	26
		27
bAggTimeOfLastOperChange	BEHAVIOUR	28
DEFINED AS	!See "BEHAVIOUR DEFINED AS" in 30.7.1.14!;	29
		30
aAggOctetsTxOK	ATTRIBUTE	31
DERIVED FROM	aCMCounter;	32
MATCHES FOR	EQUALITY, ORDERING;	33
BEHAVIOUR	bAggOctetsTxOK;	34
REGISTERED AS	{iso(1) member-body(2) us(840) 802dot3(10006) csmacdmgt(30) attribute(7) aAggOctetsTxOK(??)};	35
		36
bAggOctetsTxOK	BEHAVIOUR	37
DEFINED AS	!See "BEHAVIOUR DEFINED AS" in 30.7.1.15!;	38
		39
		40
		41
		42
		43
		44
		45
		46
		47
		48
		49
		50
		51
		52
	NOTE—This counter has a maximum increment rate of 1 230 000 per second at 10 Mb/s	53
		54
		55

aAggOctetsRxOK	ATTRIBUTE	1
DERIVED FROM	aCMCounter;	2
MATCHES FOR	EQUALITY, ORDERING;	3
BEHAVIOUR	bAggOctetsRxOK;	4
REGISTERED AS	{iso(1) member-body(2) us(840) 802dot3(10006) csmacdmgt(30) attribute(7) aAggOctetsRxOK(??)};	5
		6
		7
		8
bAggOctetsRxOK	BEHAVIOUR	9
DEFINED AS	!See "BEHAVIOUR DEFINED AS" in 30.7.1.16!;	10
		11
	NOTE—This counter has a maximum increment rate of 1 230 000 per second at 10 Mb/s	12
		13
aAggFramesTxOK	ATTRIBUTE	14
DERIVED FROM	aCMCounter;	15
MATCHES FOR	EQUALITY, ORDERING;	16
BEHAVIOUR	bAggFramesTxOK;	17
REGISTERED AS	{iso(1) member-body(2) us(840) 802dot3(10006) csmacdmgt(30) attribute(7) aAggFramesTxOK(??)};	18
		19
		20
		21
bAggFramesTxOK	BEHAVIOUR	22
DEFINED AS	!See "BEHAVIOUR DEFINED AS" in 30.7.1.17!;	23
		24
	NOTE—This counter has a maximum increment rate of 16 000 per second at 10 Mb/s	25
		26
aAggFramesRxOK	ATTRIBUTE	27
DERIVED FROM	aCMCounter;	28
Generalized nonresettable counter. This counter has a maximum increment rate of 16 000 per second at 10 Mb/s		29
MATCHES FOR	EQUALITY, ORDERING;	30
BEHAVIOUR	bAggFramesRxOK;	31
REGISTERED AS	{iso(1) member-body(2) us(840) 802dot3(10006) csmacdmgt(30) attribute(7) aAggFramesRxOK(??)};	32
		33
		34
		35
bAggFramesRxOK	BEHAVIOUR	36
DEFINED AS	!See "BEHAVIOUR DEFINED AS" in 30.7.1.18!;	37
		38
	NOTE—This counter has a maximum increment rate of 16 000 per second at 10 Mb/s	39
		40
aAggMulticastFramesTxOK	ATTRIBUTE	41
DERIVED FROM	aCMCounter;	42
Generalized nonresettable counter. This counter has a maximum increment rate of 16 000 per second at 10 Mb/s		43
MATCHES FOR	EQUALITY, ORDERING;	44
BEHAVIOUR	bAggMulticastFramesTxOK;	45
REGISTERED AS	{iso(1) member-body(2) us(840) 802dot3(10006) csmacdmgt(30) attribute(7) aAggMulticastFramesTxOK(??)};	46
		47
		48
		49
		50
		51
		52
		53
		54
		55

bAggMulticastFramesTxOK BEHAVIOUR

DEFINED AS !See "BEHAVIOUR DEFINED AS" in 30.7.1.19!;

NOTE—This counter has a maximum increment rate of 16 000 per second at 10 Mb/s

aAggMulticastFramesRxOK ATTRIBUTE

DERIVED FROM aCMCounter;
MATCHES FOR EQUALITY, ORDERING;
BEHAVIOUR bAggMulticastFramesRxOK;
REGISTERED AS {iso(1) member-body(2) us(840) 802dot3(10006) csmacdmgt(30) attribute(7)
aAggMulticastFramesRxOK(??)};

bAggMulticastFramesRxOK bAggMulticastFramesRxOK BEHAVIOUR

DEFINED AS !See "BEHAVIOUR DEFINED AS" in 30.7.1.20!;

NOTE—This counter has a maximum increment rate of 16 000 per second at 10 Mb/s

aAggBroadcastFramesTxOK ATTRIBUTE

DERIVED FROM aCMCounter;
MATCHES FOR EQUALITY, ORDERING;
BEHAVIOUR bAggBroadcastFramesTxOK;
REGISTERED AS {iso(1) member-body(2) us(840) 802dot3(10006) csmacdmgt(30) attribute(7)
aAggBroadcastFramesTxOK(??)};

bAggBroadcastFramesTxOK BEHAVIOUR

DEFINED AS !See "BEHAVIOUR DEFINED AS" in 30.7.1.21!;

NOTE—This counter has a maximum increment rate of 16 000 per second at 10 Mb/s

aAggBroadcastFramesRxOK ATTRIBUTE

DERIVED FROM aCMCounter;
MATCHES FOR EQUALITY, ORDERING;
BEHAVIOUR bAggBroadcastFramesRxOK;
REGISTERED AS {iso(1) member-body(2) us(840) 802dot3(10006) csmacdmgt(30) attribute(7)
aAggBroadcastFramesRxOK(??)};

bAggBroadcastFramesRxOK BEHAVIOUR

DEFINED AS !See "BEHAVIOUR DEFINED AS" in 30.7.1.22!;

NOTE—This counter has a maximum increment rate of 16 000 per second at 10 Mb/s

aAggFramesDiscardedOnTx ATTRIBUTE

DERIVED FROM aCMCounter;
MATCHES FOR EQUALITY, ORDERING;
BEHAVIOUR bAggFramesDiscardedOnTx;

REGISTERED AS {iso(1) member-body(2) us(840) 802dot3(10006) csmacdmgt(30) attribute(7)
aAggFramesDiscardedOnTx(?)};

bAggFramesDiscardedOnTx BEHAVIOUR

DEFINED AS !See "BEHAVIOUR DEFINED AS" in 30.7.1.23!;

NOTE—This counter has a maximum increment rate of 16 000 per second at 10 Mb/s

aAggFramesDiscardedOnRx ATTRIBUTE

DERIVED FROM aCMCounter;
MATCHES FOR EQUALITY, ORDERING;
BEHAVIOUR bAggFramesDiscardedOnRx;
REGISTERED AS {iso(1) member-body(2) us(840) 802dot3(10006) csmacdmgt(30) attribute(7)
aAggFramesDiscardedOnRx(?)};

bAggFramesDiscardedOnRx BEHAVIOUR

DEFINED AS !See "BEHAVIOUR DEFINED AS" in 30.7.1.24!;

NOTE—This counter has a maximum increment rate of 16 000 per second at 10 Mb/s

aAggFramesWithTxErrors ATTRIBUTE

DERIVED FROM aCMCounter;
MATCHES FOR EQUALITY, ORDERING;
BEHAVIOUR bAggFramesWithTxErrors;
REGISTERED AS {iso(1) member-body(2) us(840) 802dot3(10006) csmacdmgt(30) attribute(7)
aAggFramesWithTxErrors(?)};

bAggFramesWithTxErrors BEHAVIOUR

DEFINED AS !See "BEHAVIOUR DEFINED AS" in 30.7.1.25!;

NOTE—This counter has a maximum increment rate of 16 000 per second at 10 Mb/s

aAggFramesWithRxErrors ATTRIBUTE

DERIVED FROM aCMCounter;
MATCHES FOR EQUALITY, ORDERING;
BEHAVIOUR bAggFramesWithRxErrors;
REGISTERED AS {iso(1) member-body(2) us(840) 802dot3(10006) csmacdmgt(30) attribute(7)
aAggFramesWithRxErrors(?)};

bAggFramesWithRxErrors BEHAVIOUR

DEFINED AS !See "BEHAVIOUR DEFINED AS" in 30.7.1.26!;

NOTE—This counter has a maximum increment rate of 16 000 per second at 10 Mb/s

aAggUnknownProtocolFrames ATTRIBUTE

DERIVED FROM aCMCounter;

MATCHES FOR EQUALITY, ORDERING;
BEHAVIOUR bAggUnknownProtocolFrames;
REGISTERED AS {iso(1) member-body(2) us(840) 802dot3(10006) csmacdmgt(30) attribute(7)
aAggUnknownProtocolFrames(?)};

bAggUnknownProtocolFrames BEHAVIOUR

DEFINED AS !See "BEHAVIOUR DEFINED AS" in 30.7.1.27!;

NOTE—This counter has a maximum increment rate of 16 000 per second at 10 Mb/s

aAggLinkUpDownNotificationEnable ATTRIBUTE

WITH ATTRIBUTE SYNTAX IEEE802Dot3-MgmtAttributeModule.NotificationEnable;
MATCHES FOR EQUALITY;
BEHAVIOUR bAggLinkUpDownNotificationEnable;
REGISTERED AS {iso(1) member-body(2) us(840) 802dot3(10006) csmacdmgt(30) attribute(7)
aAggLinkUpDownNotificationEnable(?)};

bAggLinkUpDownNotificationEnable BEHAVIOUR

DEFINED AS !See "BEHAVIOUR DEFINED AS" in 30.7.1.28!;

aAggPortList ATTRIBUTE

WITH ATTRIBUTE SYNTAX IEEE802Dot3-MgmtAttributeModule.AggPortList;
MATCHES FOR EQUALITY;
BEHAVIOUR bAggPortList;
REGISTERED AS {iso(1) member-body(2) us(840) 802dot3(10006) csmacdmgt(30) attribute(7)
aAggPortList(?)};

bAggPortList BEHAVIOUR

DEFINED AS !See "BEHAVIOUR DEFINED AS" in 30.7.1.31!;

30A.11.3 Aggregator notifications

nAggLinkUpNotification NOTIFICATION

BEHAVIOUR bAggLinkUpNotification;
WITH INFORMATION SYNTAX IEEE802Dot3-MgmtAttributeModule.AggID;
REGISTERED AS {iso(1) member-body(2) us(840) 802dot3(10006) csmacdmgt(30) notifica-
tion(10) nAggLinkUpNotification(?)};

bAggLinkUpNotification BEHAVIOUR

DEFINED AS !See "BEHAVIOUR DEFINED AS" in 30.7.1.29!;

nAggLinkDownNotification NOTIFICATION

BEHAVIOUR bAggLinkDownNotification;
WITH ATTRIBUTE SYNTAX IEEE802Dot3-MgmtAttributeModule.AggID;

REGISTERED AS {iso(1) member-body(2) us(840) 802dot3(10006) csmacdmgt(30) notification(10) nAggLinkDownNotification(?)};

bAggLinkDownNotification BEHAVIOUR

DEFINED AS !See "BEHAVIOUR DEFINED AS" in 30.7.1.30!;

30A.12 Aggregation Port managed object class

30A.12.1 Aggregation Port, formal definition

oAggregationPort

MANAGED OBJECT CLASS

DERIVED FROM "CCITT Rec. X.721 (1992) | ISO/IEC 10165-2 : 1992":top;
 CHARACTERIZED BY
 pAggregationPortBasic PACKAGE
 ATTRIBUTES aAggPortID GET;
 ;
 ;
 CONDITIONAL PACKAGES
 pAggregationPortMandatory PACKAGE
 ATTRIBUTES aAggPortActorSystemID GET,
 aAggPortActorAdminKey GET-REPLACE,
 aAggPortActorOperKey GET,
 aAggPortPartnerDefaultSystemID GET-REPLACE,
 aAggPortPartnerOperSystemID GET,
 aAggPortPartnerDefaultKey GET-REPLACE,
 aAggPortPartnerKey GET,
 aAggPortCurrentAggID GET,
 aAggPortTargetAggID GET,
 aAggPortActorPort GET,
 aAggPortActorPortPriority GET-REPLACE,
 aAggPortPartnerPort GET,
 aAggPortPartnerPortPriority GET,
 aAggPortLACPActivity GET-REPLACE,
 aAggPortLACPTimeout GET-REPLACE,
 aAggPortActorStatus GET,
 aAggPortPartnerStatus GET;
 REGISTERED AS {iso(1) member-body(2) us(840) 802dot3(10006) csmacd-
 mgt(30) package(4) pAggregationPortMandatory(?)};
 PRESENT IF !Conformance to Link Aggregation management is desired!;
 pAggregationPortRecommended PACKAGE
 ATTRIBUTES aAggPortFramesDiscardedOnTx GET,
 aAggPortFramesDiscardedOnRx GET;
 REGISTERED AS {iso(1) member-body(2) us(840) 802dot3(10006) csmacd-
 mgt(30) package(4) pAggregationPortRecommended(?)};
 PRESENT IF !The recommended package is supported!;
 ;
 REGISTERED AS {iso(1) member-body(2) us(840) 802dot3(10006) csmacdmgt(30) managedOb-
 jectClass(3) oAggregationPort(?)};

nbAggregationPort

NAME BINDING

SUBORDINATE OBJECT CLASS oAggregationPort;
NAMED BY SUPERIOR OBJECT CLASS oAggregator;
WITH ATTRIBUTE aAggPortID
REGISTERED AS {iso(1) member-body(2) us(840) 802dot3(10006) csmacdmgt(30) nameBind-
 ing(6) nbAggregationPortName(??)};

30A.12.2 Aggregation Port attributes

aAggPortID

ATTRIBUTE

WITH ATTRIBUTE SYNTAX IEEE802Dot3-MgmtAttributeModule.AggPortID;
MATCHES FOR EQUALITY;
BEHAVIOUR bAggPortID;
REGISTERED AS {iso(1) member-body(2) us(840) 802dot3(10006) csmacdmgt(30) attribute(7)
 aAggPortID(??)};

bAggPortID

BEHAVIOUR

DEFINED AS !See "BEHAVIOUR DEFINED AS" in 30.7.2.1!;

aAggPortActorSystemID

ATTRIBUTE

WITH ATTRIBUTE SYNTAX IEEE802Dot3-MgmtAttributeModule.MACAddress;
MATCHES FOR EQUALITY, ORDERING;
BEHAVIOUR bAggPortActorSystemID;
REGISTERED AS {iso(1) member-body(2) us(840) 802dot3(10006) csmacdmgt(30) attribute(7)
 aAggPortActorSystemID(??)};

bAggPortActorSystemID

BEHAVIOUR

DEFINED AS !See "BEHAVIOUR DEFINED AS" in 30.7.2.2!;

aAggPortActorAdminKey

ATTRIBUTE

WITH ATTRIBUTE SYNTAX IEEE802Dot3-MgmtAttributeModule.KeyValue;
MATCHES FOR EQUALITY;
BEHAVIOUR bAggPortActorAdminKey;
REGISTERED AS {iso(1) member-body(2) us(840) 802dot3(10006) csmacdmgt(30) attribute(7)
 aAggPortActorAdminKey(??)};

bAggPortActorAdminKey

BEHAVIOUR

DEFINED AS !See "BEHAVIOUR DEFINED AS" in 30.7.2.3!;

aAggPortActorOperKey

ATTRIBUTE

WITH ATTRIBUTE SYNTAX IEEE802Dot3-MgmtAttributeModule.KeyValue;
MATCHES FOR EQUALITY;
BEHAVIOUR bAggPortActorOperKey;
REGISTERED AS {iso(1) member-body(2) us(840) 802dot3(10006) csmacdmgt(30) attribute(7)
 aAggPortActorOperKey(??)};

bAggPortActorOperKey	BEHAVIOUR	1
DEFINED AS	!See "BEHAVIOUR DEFINED AS" in 30.7.2.4!;	2
		3
aAggPortPartnerDefaultSystemIDATTRIBUTE		4
WITH ATTRIBUTE SYNTAX	IEEE802Dot3-MgmtAttributeModule.MACAddress;	5
MATCHES FOR	EQUALITY, ORDERING;	6
BEHAVIOUR	bAggPortPartnerDefaultSystemID;	7
REGISTERED AS	{iso(1) member-body(2) us(840) 802dot3(10006) csmacdmgt(30) attribute(7) aAggPortPartnerDefaultSystemID(??)};	8
		9
bAggPortPartnerDefaultSystemID BEHAVIOUR		10
DEFINED AS	!See "BEHAVIOUR DEFINED AS" in 30.7.2.5!;	11
		12
aAggPortPartnerOperSystemID ATTRIBUTE		13
WITH ATTRIBUTE SYNTAX	IEEE802Dot3-MgmtAttributeModule.MACAddress;	14
MATCHES FOR	EQUALITY, ORDERING;	15
BEHAVIOUR	baAggPortPartnerOperSystemID;	16
REGISTERED AS	{iso(1) member-body(2) us(840) 802dot3(10006) csmacdmgt(30) attribute(7) aAggPortPartnerOperSystemID(??)};	17
		18
baAggPortPartnerOperSystemID BEHAVIOUR		19
DEFINED AS	!See "BEHAVIOUR DEFINED AS" in 30.7.2.6!;	20
		21
aAggPortPartnerDefaultKey ATTRIBUTE		22
WITH ATTRIBUTE SYNTAX	IEEE802Dot3-MgmtAttributeModule.KeyValue;	23
MATCHES FOR	EQUALITY;	24
BEHAVIOUR	bAggPortPartnerDefaultKey;	25
REGISTERED AS	{iso(1) member-body(2) us(840) 802dot3(10006) csmacdmgt(30) attribute(7) aAggPortPartnerDefaultKey(??)};	26
		27
bAggPortPartnerDefaultKey BEHAVIOUR		28
DEFINED AS	!See "BEHAVIOUR DEFINED AS" in 30.7.2.7!;	29
		30
aAggPortPartnerKey ATTRIBUTE		31
WITH ATTRIBUTE SYNTAX	IEEE802Dot3-MgmtAttributeModule.KeyValue;	32
MATCHES FOR	EQUALITY;	33
BEHAVIOUR	bAggPortPartnerKey;	34
REGISTERED AS	{iso(1) member-body(2) us(840) 802dot3(10006) csmacdmgt(30) attribute(7) aAggPortPartnerKey(??)};	35
		36
bAggPortPartnerKey BEHAVIOUR		37
DEFINED AS	!See "BEHAVIOUR DEFINED AS" in 30.7.2.8!;	38
		39
		40
		41
		42
		43
		44
		45
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		53
		54
		55

aAggPortCurrentAggID	ATTRIBUTE	1
		2
WITH ATTRIBUTE SYNTAX	IEEE802Dot3-MgmtAttributeModule.AggID;	3
MATCHES FOR	EQUALITY;	4
BEHAVIOUR	bAggPortCurrentAggID;	5
REGISTERED AS	{iso(1) member-body(2) us(840) 802dot3(10006) csmacdmgt(30) attribute(7) aAggPortCurrentAggID(?)};	6
		7
		8
bAggPortCurrentAggID	BEHAVIOUR	9
		10
DEFINED AS	!See "BEHAVIOUR DEFINED AS" in 30.7.2.9!;	11
		12
aAggPortTargetAggID	ATTRIBUTE	13
		14
WITH ATTRIBUTE SYNTAX	IEEE802Dot3-MgmtAttributeModule.AggID;	15
MATCHES FOR	EQUALITY;	16
BEHAVIOUR	bAggPortTargetAggID;	17
REGISTERED AS	{iso(1) member-body(2) us(840) 802dot3(10006) csmacdmgt(30) attribute(7) aAggPortTargetAggID(?)};	18
		19
		20
bAggPortTargetAggID	BEHAVIOUR	21
		22
DEFINED AS	!See "BEHAVIOUR DEFINED AS" in 30.7.2.10!;	23
		24
aAggPortActorPort	ATTRIBUTE	25
		26
WITH ATTRIBUTE SYNTAX	IEEE802Dot3-MgmtAttributeModule.PortNumber;	27
MATCHES FOR	EQUALITY, ORDERING;	28
BEHAVIOUR	bAggPortActorPort;	29
REGISTERED AS	{iso(1) member-body(2) us(840) 802dot3(10006) csmacdmgt(30) attribute(7) aAggPortActorPort(?)};	30
		31
		32
bAggPortActorPort	BEHAVIOUR	33
		34
DEFINED AS	!See "BEHAVIOUR DEFINED AS" in 30.7.2.11!;	35
		36
aAggPortActorPortPriority	ATTRIBUTE	37
		38
WITH ATTRIBUTE SYNTAX	IEEE802Dot3-MgmtAttributeModule.PriorityValue;	39
MATCHES FOR	EQUALITY, ORDERING;	40
BEHAVIOUR	bAggPortActorPortPriority;	41
REGISTERED AS	{iso(1) member-body(2) us(840) 802dot3(10006) csmacdmgt(30) attribute(7) aAggPortActorPortPriority(?)};	42
		43
		44
bAggPortActorPortPriority	BEHAVIOUR	45
		46
DEFINED AS	!See "BEHAVIOUR DEFINED AS" in 30.7.2.12!;	47
		48
aAggPortPartnerPort	ATTRIBUTE	49
		50
WITH ATTRIBUTE SYNTAX	IEEE802Dot3-MgmtAttributeModule.PortNumber;	51
MATCHES FOR	EQUALITY, ORDERING;	52
BEHAVIOUR	bAggPortPartnerPort;	53
		54
		55

REGISTERED AS	{iso(1) member-body(2) us(840) 802dot3(10006) csmacdmgt(30) attribute(7) aAggPortPartnerPort(??)};	1
		2
bAggPortPartnerPort	BEHAVIOUR	3
		4
DEFINED AS	!See "BEHAVIOUR DEFINED AS" in 30.7.2.13!;	5
		6
aAggPortPartnerPortPriority	ATTRIBUTE	7
		8
WITH ATTRIBUTE SYNTAX	IEEE802Dot3-MgmtAttributeModule.PriorityValue;	9
MATCHES FOR	EQUALITY, ORDERING;	10
BEHAVIOUR	bAggPortPartnerPortPriority;	11
REGISTERED AS	{iso(1) member-body(2) us(840) 802dot3(10006) csmacd-mgt(30) attribute(7) aAggPortPartnerPortPriority(??)};	12
		13
		14
bAggPortPartnerPortPriority	BEHAVIOUR	15
		16
DEFINED AS	!See "BEHAVIOUR DEFINED AS" in 30.7.2.14!;	17
		18
aAggPortLACPActivity	ATTRIBUTE	19
		20
WITH ATTRIBUTE SYNTAX	IEEE802Dot3-MgmtAttributeModule.LACPActivity;	21
MATCHES FOR	EQUALITY;	22
BEHAVIOUR	bAggPortLACPActivity;	23
REGISTERED AS	{iso(1) member-body(2) us(840) 802dot3(10006) csmacd-mgt(30) attribute(7) aAggPortLACPActivity(??)};	24
		25
		26
bAggPortLACPActivity	BEHAVIOUR	27
		28
DEFINED AS	!See "BEHAVIOUR DEFINED AS" in 30.7.2.15!;	29
		30
aAggPortLACPTimeout	ATTRIBUTE	31
		32
WITH ATTRIBUTE SYNTAX	IEEE802Dot3-MgmtAttributeModule.LACPTimeout;	33
MATCHES FOR	EQUALITY;	34
BEHAVIOUR	bAggPortLACPTimeout;	35
REGISTERED AS	{iso(1) member-body(2) us(840) 802dot3(10006) csmacdmgt(30) attribute(7) aAggPortLACPTimeout(??)};	36
		37
		38
bAggPortLACPTimeout	BEHAVIOUR	39
		40
DEFINED AS	!See "BEHAVIOUR DEFINED AS" in 30.7.2.16!;	41
		42
aAggPortActorStatus	ATTRIBUTE	43
		44
WITH ATTRIBUTE SYNTAX	IEEE802Dot3-MgmtAttributeModule.AggPortStatus;	45
MATCHES FOR	EQUALITY;	46
BEHAVIOUR	bAggPortActorStatus;	47
REGISTERED AS	{iso(1) member-body(2) us(840) 802dot3(10006) csmacdmgt(30) attribute(7) aAggPortActorStatus(??)};	48
		49
		50
bAggPortActorStatus	BEHAVIOUR	51
		52
DEFINED AS	!See "BEHAVIOUR DEFINED AS" in 30.7.2.17!;	53
		54
		55

aAggPortPartnerStatus ATTRIBUTE

WITH ATTRIBUTE SYNTAX IEEE802Dot3-MgmtAttributeModule.AggPortStatus;
MATCHES FOR EQUALITY, ORDERING;
BEHAVIOUR bAggPortPartnerStatus;
REGISTERED AS {iso(1) member-body(2) us(840) 802dot3(10006) csmacdmgt(30) attribute(7)
aAggPortPartnerStatus(??)};

bAggPortPartnerStatus BEHAVIOUR

DEFINED AS !See "BEHAVIOUR DEFINED AS" in 30.7.2.18!;

aAggPortFramesDiscardedOnTx ATTRIBUTE

DERIVED FROM aCMCounter;
MATCHES FOR EQUALITY, ORDERING;
BEHAVIOUR bAggPortFramesDiscardedOnTx;
REGISTERED AS {iso(1) member-body(2) us(840) 802dot3(10006) csmacdmgt(30) attribute(7)
aAggPortFramesDiscardedOnTx(??)};

bAggPortFramesDiscardedOnTx BEHAVIOUR

DEFINED AS !See "BEHAVIOUR DEFINED AS" in 30.7.2.19!;

NOTE—This counter has a maximum increment rate of 16 000 per second at 10 Mb/s

aAggPortFramesDiscardedOnRx ATTRIBUTE

DERIVED FROM aCMCounter;
MATCHES FOR EQUALITY, ORDERING;
BEHAVIOUR bAggPortFramesDiscardedOnRx;
REGISTERED AS {iso(1) member-body(2) us(840) 802dot3(10006) csmacdmgt(30) attribute(7)
aAggPortFramesDiscardedOnRx(??)};

bAggPortFramesDiscardedOnRx BEHAVIOUR

DEFINED AS !See "BEHAVIOUR DEFINED AS" in 30.7.2.20!;

NOTE—This counter has a maximum increment rate of 16 000 per second at 10 Mb/s

30A.13 LACP Statistics managed object class

30A.13.1 LACP Statistics, formal definition

oLACPStatistics MANAGED OBJECT CLASS

DERIVED FROM "CCITT Rec. X.721 (1992) | ISO/IEC 10165-2 : 1992":top;
CONDITIONAL PACKAGES
 pLACPStatistics PACKAGE
 ATTRIBUTES aAggPortStatsID GET,
aAggPortStatsLACPDUaRx GET,
aAggPortStatsMarkerPDUsRx GET,

	aAggPortStatsMarkerResponsePDUsRx	GET,	1
	aAggPortStatsUnknownRx	GET,	2
	aAggPortStatsIllegalRx	GET,	3
	aAggPortStatsLACPDUsTx	GET,	4
	aAggPortStatsMarkerPDUsTx	GET,	5
	aAggPortStatsMarkerResponsePDUsTx	GET;	6
	REGISTERED AS		7
	{iso(1) member-body(2) us(840) 802dot3(10006) csmacd-		8
	mgt(30) package(4) pLACPStatistics(??)};		9
	PRESENT IF	!The LACP Statistics package is supported!;	10
	;		11
	REGISTERED AS	{iso(1) member-body(2) us(840) 802dot3(10006) csmacdmgt(30) managedOb-	12
	jectClass(3) oLACPStatistics(??)};		13
			14
nbLACPStatistics	NAME BINDING		15
			16
	SUBORDINATE OBJECT CLASS	oLACPStatistics;	17
	NAMED BY SUPERIOR OBJECT CLASS	oAggregationPort;	18
	WITH ATTRIBUTE	aAggPortStatsID	19
	REGISTERED AS	{iso(1) member-body(2) us(840) 802dot3(10006) csmacdmgt(30) nameBind-	20
	ing(6) nbLACPStatistics(??)};		21
			22
30A.13.2 LACP Statistics attributes			23
			24
aAggPortStatsID	ATTRIBUTE		25
			26
	WITH ATTRIBUTE SYNTAX	IEEE802Dot3-MgmtAttributeModule.AggPortID;	27
	MATCHES FOR	EQUALITY;	28
	BEHAVIOUR	bAggPortStatsID;	29
	REGISTERED AS	{iso(1) member-body(2) us(840) 802dot3(10006) csmacdmgt(30) attribute(7)	30
	aAggPortStatsID(??)};		31
			32
bAggPortStatsID	BEHAVIOUR		33
			34
	DEFINED AS	!See "BEHAVIOUR DEFINED AS" in 30.7.3.1!;	35
			36
aAggPortStatsLACPDUsRx	ATTRIBUTE		37
			38
	DERIVED FROM	aCMCounter;	39
	MATCHES FOR	EQUALITY, ORDERING;	40
	BEHAVIOUR	bAggPortStatsLACPDUsRx;	41
	REGISTERED AS	{iso(1) member-body(2) us(840) 802dot3(10006) csmacdmgt(30) attribute(7)	42
	aAggPortStatsLACPDUsRx(??)};		43
			44
bAggPortStatsLACPDUsRx	BEHAVIOUR		45
			46
	DEFINED AS	!See "BEHAVIOUR DEFINED AS" in 30.7.3.2!;	47
			48
	NOTE—This counter has a maximum increment rate of 5 per second at 10 Mb/s		49
			50
aAggPortStatsMarkerPDUsRx	ATTRIBUTE		51
			52
	DERIVED FROM	aCMCounter;	53
			54
			55

MATCHES FOR EQUALITY, ORDERING;
BEHAVIOUR bAggPortStatsMarkerPDUsRx;
REGISTERED AS {iso(1) member-body(2) us(840) 802dot3(10006) csmacdmgt(30) attribute(7)
aAggPortStatsMarkerPDUsRx(??)};

bAggPortStatsMarkerPDUsRx BEHAVIOUR

DEFINED AS !See "BEHAVIOUR DEFINED AS" in 30.7.3.3!;

NOTE—This counter has a maximum increment rate of 5 per second at 10 Mb/s

aAggPortStatsMarkerResponsePDUsRx ATTRIBUTE

DERIVED FROM aCMCounter;
MATCHES FOR EQUALITY, ORDERING;
BEHAVIOUR bAggPortStatsMarkerResponsePDUsRx;
REGISTERED AS {iso(1) member-body(2) us(840) 802dot3(10006) csmacdmgt(30) attribute(7)
aAggPortStatsMarkerResponsePDUsRx(??)};

bAggPortStatsMarkerResponsePDUsRx BEHAVIOUR

DEFINED AS !See "BEHAVIOUR DEFINED AS" in 30.7.3.4!;

NOTE—This counter has a maximum increment rate of 5 per second at 10 Mb/s

aAggPortStatsUnknownRx ATTRIBUTE

DERIVED FROM aCMCounter;
MATCHES FOR EQUALITY, ORDERING;
BEHAVIOUR bAggPortStatsUnknownRx;
REGISTERED AS {iso(1) member-body(2) us(840) 802dot3(10006) csmacdmgt(30) attribute(7)
aAggPortStatsUnknownRx(??)};

bAggPortStatsUnknownRx BEHAVIOUR

DEFINED AS !See "BEHAVIOUR DEFINED AS" in 30.7.3.5!;

NOTE—This counter has a maximum increment rate of 50 per second at 10 Mb/s

aAggPortStatsIllegalRx ATTRIBUTE

DERIVED FROM aCMCounter;
MATCHES FOR EQUALITY, ORDERING;
BEHAVIOUR bAggPortStatsIllegalRx;
REGISTERED AS {iso(1) member-body(2) us(840) 802dot3(10006) csmacdmgt(30) attribute(7)
aAggPortStatsIllegalRx(??)};

bAggPortStatsIllegalRx BEHAVIOUR

DEFINED AS !See "BEHAVIOUR DEFINED AS" in 30.7.3.6!;

NOTE—This counter has a maximum increment rate of 50 per second at 10 Mb/s

aAggPortStatsLACPDUstx ATTRIBUTE

DERIVED FROM aCMCounter;
 MATCHES FOR EQUALITY, ORDERING;
 BEHAVIOUR bAggPortStatsLACPDUstx;
 REGISTERED AS {iso(1) member-body(2) us(840) 802dot3(10006) csmacdmgt(30) attribute(7)
 aAggPortStatsLACPDUstx(??)};

bAggPortStatsLACPDUstx BEHAVIOUR

DEFINED AS !See "BEHAVIOUR DEFINED AS" in 30.7.3.7!;

NOTE—This counter has a maximum increment rate of 5 per second at 10 Mb/s

aAggPortStatsMarkerPDUstx ATTRIBUTE

DERIVED FROM aCMCounter;
 MATCHES FOR EQUALITY, ORDERING;
 BEHAVIOUR bAggPortStatsMarkerPDUstx;
 REGISTERED AS {iso(1) member-body(2) us(840) 802dot3(10006) csmacdmgt(30) attribute(7)
 aAggPortStatsMarkerPDUstx(??)};

bAggPortStatsMarkerPDUstx BEHAVIOUR

DEFINED AS !See "BEHAVIOUR DEFINED AS" in 30.7.3.8!;

NOTE—This counter has a maximum increment rate of 5 per second at 10 Mb/s

aAggPortStatsMarkerResponsePDUstx ATTRIBUTE

DERIVED FROM aCMCounter;
 MATCHES FOR EQUALITY, ORDERING;
 BEHAVIOUR bAggPortStatsMarkerResponsePDUstx;
 REGISTERED AS {iso(1) member-body(2) us(840) 802dot3(10006) csmacdmgt(30) attribute(7)
 aAggPortStatsMarkerResponsePDUstx(??)};

bAggPortStatsMarkerResponsePDUstx BEHAVIOUR

DEFINED AS !See "BEHAVIOUR DEFINED AS" in 30.7.3.9!;

NOTE—This counter has a maximum increment rate of 5 per second at 10 Mb/s

30A.14 LACP Debug Information managed object class**30A.14.1 LACP Debug Information, formal definition****oLACPDebug MANAGED OBJECT CLASS**

DERIVED FROM "CCITT Rec. X.721 (1992) | ISO/IEC 10165-2 : 1992":top;
 CONDITIONAL PACKAGES
 pLACPDebug PACKAGE
 ATTRIBUTES aAggPortDebugInformationID GET,

	aAggPortDebugRxState	GET,	1
	aAggPortDebugLastRxTime	GET,	2
	aAggPortDebugMatchState	GET,	3
	aAggPortDebugSelectionState	GET,	4
	aAggPortDebugSelectionReason	GET,	5
	aAggPortDebugLocalChurnState	GET,	6
	aAggPortDebugRemoteChurnState	GET,	7
	aAggPortDebugLocalChurnCount	GET,	8
	aAggPortDebugRemoteChurnCount	GET,	9
	aAggPortDebugNearEndSyncTransitionCount	GET,	10
	aAggPortDebugFarEndSyncTransitionCount	GET,	11
	aAggPortDebugNearEndChangeCount	GET,	12
	aAggPortDebugFarEndChangeCount	GET;	13
	REGISTERED AS		14
	{iso(1) member-body(2) us(840) 802dot3(10006) csmacd-		15
	mgt(30) package(4) pLACPDebug(??)};		16
	PRESENT IF !The LACP Debug package is supported!;		17
	;		18
	REGISTERED AS {iso(1) member-body(2) us(840) 802dot3(10006) csmacdmgmt(30) managedOb-		19
	jectClass(3) oLACPDebug(??)};		20
			21
nbLACPDebug	NAME BINDING		22
			23
	SUBORDINATE OBJECT CLASS oLACPDebug;		24
	NAMED BY SUPERIOR OBJECT CLASS oAggregationPort;		25
	WITH ATTRIBUTE aAggPortDebugInformationID		26
	REGISTERED AS {iso(1) member-body(2) us(840) 802dot3(10006) csmacdmgmt(30) nameBind-		27
	ing(6) nbLACPDebug(??)};		28
			29
30A.14.2 LACP Debug Information attributes			30
			31
aAggPortDebugInformationID	ATTRIBUTE		32
			33
	WITH ATTRIBUTE SYNTAX IEEE802Dot3-MgmtAttributeModule.AggPortID;		34
	INTEGER		35
	MATCHES FOR EQUALITY, ORDERING;		36
	BEHAVIOUR bAggPortDebugInformationID;		37
	REGISTERED AS {iso(1) member-body(2) us(840) 802dot3(10006) csmacdmgmt(30) attribute(7)		38
	aAggPortDebugInformationID(??)};		39
			40
bAggPortDebugInformationID	BEHAVIOUR		41
			42
	DEFINED AS !See "BEHAVIOUR DEFINED AS" in 30.7.4.1!;		43
			44
aAggPortDebugRxState	ATTRIBUTE		45
			46
	WITH ATTRIBUTE SYNTAX IEEE802Dot3-MgmtAttributeModule.RxState;		47
	MATCHES FOR EQUALITY;		48
	BEHAVIOUR bAggPortDebugRxState;		49
	REGISTERED AS {iso(1) member-body(2) us(840) 802dot3(10006) csmacdmgmt(30) attribute(7)		50
	aAggPortDebugRxState(??)};		51
			52
			53
			54
			55

bAggPortDebugRxState	BEHAVIOUR	1
DEFINED AS	!See "BEHAVIOUR DEFINED AS" in 30.7.4.2!;	2
		3
aAggPortDebugLastRxTime	ATTRIBUTE	4
WITH ATTRIBUTE SYNTAX	IEEE802Dot3-MgmtAttributeModule.Integer32;	5
MATCHES FOR	EQUALITY, ORDERING;	6
BEHAVIOUR	bAggPortDebugLastRxTime;	7
REGISTERED AS	{iso(1) member-body(2) us(840) 802dot3(10006) csmacdmgt(30) attribute(7) aAggPortDebugLastRxTime(??)};	8
		9
bAggPortDebugLastRxTime	BEHAVIOUR	10
DEFINED AS	!See "BEHAVIOUR DEFINED AS" in 30.7.4.3!;	11
		12
aAggPortDebugMatchState	ATTRIBUTE	13
WITH ATTRIBUTE SYNTAX	IEEE802Dot3-MgmtAttributeModule.MatchState;	14
MATCHES FOR	EQUALITY;	15
BEHAVIOUR	bAggPortDebugMatchState;	16
REGISTERED AS	{iso(1) member-body(2) us(840) 802dot3(10006) csmacdmgt(30) attribute(7) aAggPortDebugMatchState(??)};	17
		18
bAggPortDebugMatchState	BEHAVIOUR	19
DEFINED AS	!See "BEHAVIOUR DEFINED AS" in 30.7.4.4!;	20
		21
aAggPortDebugSelectionMode	ATTRIBUTE	22
WITH ATTRIBUTE SYNTAX	IEEE802Dot3-MgmtAttributeModule.SelectionState;	23
MATCHES FOR	EQUALITY;	24
BEHAVIOUR	bAggPortDebugSelectionMode;	25
REGISTERED AS	{iso(1) member-body(2) us(840) 802dot3(10006) csmacdmgt(30) attribute(7) aAggPortDebugSelectionMode(??)};	26
		27
bAggPortDebugSelectionMode	BEHAVIOUR	28
DEFINED AS	!See "BEHAVIOUR DEFINED AS" in 30.7.4.5!;	29
		30
aAggPortDebugSelectionModeReason	ATTRIBUTE	31
WITH ATTRIBUTE SYNTAX	IEEE802Dot3-MgmtAttributeModule.DescriptionString;	32
MATCHES FOR	EQUALITY;	33
BEHAVIOUR	bAggPortDebugSelectionModeReason;	34
REGISTERED AS	{iso(1) member-body(2) us(840) 802dot3(10006) csmacdmgt(30) attribute(7) aAggPortDebugSelectionModeReason(??)};	35
		36
bAggPortDebugSelectionModeReason	BEHAVIOUR	37
DEFINED AS	!See "BEHAVIOUR DEFINED AS" in 30.7.4.6!;	38
		39
		40
		41
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aAggPortDebugLocalChurnState ATTRIBUTE

WITH ATTRIBUTE SYNTAX IEEE802Dot3-MgmtAttributeModule.ChurnState;
MATCHES FOR EQUALITY;
BEHAVIOUR bAggPortDebugLocalChurnState;
REGISTERED AS {iso(1) member-body(2) us(840) 802dot3(10006) csmacdmgt(30) attribute(7)
aAggPortDebugLocalChurnState(??)};

bAggPortDebugLocalChurnState BEHAVIOUR

DEFINED AS !See "BEHAVIOUR DEFINED AS" in 30.7.4.7!;

aAggPortDebugRemoteChurnStateATTRIBUTE

WITH ATTRIBUTE SYNTAX IEEE802Dot3-MgmtAttributeModule.ChurnState;
MATCHES FOR EQUALITY;
BEHAVIOUR bAggPortDebugRemoteChurnState;
REGISTERED AS {iso(1) member-body(2) us(840) 802dot3(10006) csmacdmgt(30) attribute(7)
aAggPortDebugRemoteChurnState(??)};

bAggPortDebugRemoteChurnState BEHAVIOUR

DEFINED AS !See "BEHAVIOUR DEFINED AS" in 30.7.4.8!;

aAggPortDebugLocalChurnCountATTRIBUTE

DERIVED FROM aCMCounter;
MATCHES FOR EQUALITY, ORDERING;
BEHAVIOUR bAggPortDebugLocalChurnCount;
REGISTERED AS {iso(1) member-body(2) us(840) 802dot3(10006) csmacdmgt(30) attribute(7)
aAggPortDebugLocalChurnCount(??)};

bAggPortDebugLocalChurnCount BEHAVIOUR

DEFINED AS !See "BEHAVIOUR DEFINED AS" in 30.7.4.9!;

NOTE—This counter has a maximum increment rate of 5 per second

aAggPortDebugRemoteChurnCount ATTRIBUTE

DERIVED FROM aCMCounter;
MATCHES FOR EQUALITY, ORDERING;
BEHAVIOUR bAggPortDebugRemoteChurnCount;
REGISTERED AS {iso(1) member-body(2) us(840) 802dot3(10006) csmacdmgt(30) attribute(7)
aAggPortDebugRemoteChurnCount(??)};

bAggPortDebugRemoteChurnCount BEHAVIOUR

DEFINED AS !See "BEHAVIOUR DEFINED AS" in 30.7.4.10!;

NOTE—This counter has a maximum increment rate of 5 per second

aAggPortDebugNearEndSyncTransitionCount ATTRIBUTE

DERIVED FROM aCMCounter;
 MATCHES FOR EQUALITY, ORDERING;
 BEHAVIOUR bAggPortDebugNearEndSyncTransitionCount;
 REGISTERED AS {iso(1) member-body(2) us(840) 802dot3(10006) csmacdmgt(30) attribute(7)
 aAggPortDebugNearEndSyncTransitionCount(??)};

bAggPortDebugNearEndSyncTransitionCount BEHAVIOUR

DEFINED AS !See "BEHAVIOUR DEFINED AS" in 30.7.4.11!;

NOTE—This counter has a maximum increment rate of 5 per second

aAggPortDebugFarEndSyncTransitionCount ATTRIBUTE

DERIVED FROM aCMCounter;
 MATCHES FOR EQUALITY, ORDERING;
 BEHAVIOUR bAggPortDebugFarEndSyncTransitionCount;
 REGISTERED AS {iso(1) member-body(2) us(840) 802dot3(10006) csmacdmgt(30) attribute(7)
 aAggPortDebugFarEndSyncTransitionCount(??)};

bAggPortDebugFarEndSyncTransitionCount BEHAVIOUR

DEFINED AS !See "BEHAVIOUR DEFINED AS" in 30.7.4.12!;

NOTE—This counter has a maximum increment rate of 5 per second

aAggPortDebugNearEndChangeCount ATTRIBUTE

DERIVED FROM aCMCounter;
 MATCHES FOR EQUALITY, ORDERING;
 BEHAVIOUR bAggPortDebugNearEndChangeCount;
 REGISTERED AS {iso(1) member-body(2) us(840) 802dot3(10006) csmacdmgt(30) attribute(7)
 aAggPortDebugNearEndChangeCount(??)};

bAggPortDebugNearEndChangeCount BEHAVIOUR

DEFINED AS !See "BEHAVIOUR DEFINED AS" in 30.7.4.13!;

NOTE—This counter has a maximum increment rate of 5 per second

aAggPortDebugFarEndChangeCount ATTRIBUTE

DERIVED FROM aCMCounter;
 MATCHES FOR EQUALITY, ORDERING;
 BEHAVIOUR bAggPortDebugFarEndChangeCount;
 REGISTERED AS {iso(1) member-body(2) us(840) 802dot3(10006) csmacdmgt(30) attribute(7)
 aAggPortDebugFarEndChangeCount(??)};

bAggPortDebugFarEndChangeCount BEHAVIOUR

DEFINED AS !See "BEHAVIOUR DEFINED AS" in 30.7.4.14!;

NOTE—This counter has a maximum increment rate of 5 per second

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Annex 30B

(normative)

GDMO and ASN.1 definitions for management

<<Editor's Note: The ASN.1 definitions required to complete this section have yet to be generated. These will be provided in the form of ballot comments on the upcoming Task Force ballot.>>

30B.2 ASN.1 module for CSMA/CD Management

Insert the following ASN.1 definitions into the ASN.1 module, in appropriate alphabetic sequence:

```

AggDataRate ::= INTEGER                -- The data rate of an Aggregation
AggID ::= INTEGER
AggPortID ::= INTEGER
AggPortList ::= SEQUENCE OF AggPortID
AggPortStatus ::= BITSTRING (SIZE (1..8))
AggState ::= ENUMERATED {
    up                (0),                -- operational
    down              (1),                -- disabled
}
ChurnState ::= ENUMERATED {
    noChurn           (0),                -- NO_LOCAL_CHURN
                                         -- or LOCAL_CHURN_MONITOR
    churn             (1),                -- LOCAL_CHURN
}
DescriptionString ::= PrintableString (SIZE 90..255)
Integer32 ::= INTEGER                  -- 32 bit value
KeyValue ::= INTEGER                   -- 16 bit value
LACPActivity ::= ENUMERATED {
    active            (0),                -- Port is Active LACP
    passive           (1),                -- Port is Passive LACP
}
LACPTimeout ::= ENUMERATED {
    short             (0),                -- Timeouts are Short
    long              (1),                -- Timeouts are Long
}
MatchState ::= ENUMERATED {
    individual        (0),                -- MATCHED_INDIVIDUAL
    aggregate         (1),                -- MATCHED_AGGREGATE
    unmatched         (2),                -- UNMATCHED
}
NotificationEnable ::= ENUMERATED {
    enabled           (0),                -- Notifications enabled
    disabled          (1),                -- Notifications disabled
}
PortNumber ::= INTEGER
PriorityValue ::= INTEGER               -- 8 bits if Port priority, 16 bits if System priority
RxState ::= ENUMERATED {
    current           (0),                -- not EXPIRED

```

expired	(1)	-- not CURRENT	1
}			2
SelectionMode ::= ENUMERATED {			3
detached	(0),	-- DETACHED	4
ready	(1),	-- READY	5
attaching	(2),	-- ATTACHING	6
attached	(3),	-- ATTACHED	7
detaching	(4)	-- DETACHING	8
}			9
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