

64.5.2 Identification

64.5.2.1 Implementation identification

Supplier	
Contact point for enquiries about the PICS	
Implementation Name(s) and Version(s)	
Other information necessary for full identification—e.g., name(s) and version(s) for machines and/or operating systems; System Names(s)	
NOTES	
1—Only the first three items are required for all implementations; other information may be completed as appropriate in meeting the requirements for the identification.	
2—The terms Name and Version should be interpreted appropriately to correspond with a supplier’s terminology (e.g., Type, Series, Model).	

64.5.2.2 Protocol summary

Identification of protocol standard	IEEE Std 802.3ah-2003, Clause 56, Multi-Point MAC Control
Identification of amendments and corrigenda to this PICS proforma that have been completed as part of this PICS	
Have any Exception items been required? No <input type="checkbox"/> Yes <input type="checkbox"/> (See Clause 21; the answer Yes means that the implementation does not conform to the standard.)	
Date of Statement	

64.5.3 Major capabilities/options

Item	Feature	Subclause	Value/Comment	Status	Support
*OLT	OLT Functionality		Device supports functionality required for OLT	O/1	Yes <input type="checkbox"/> No <input type="checkbox"/>
*ONU	ONU Functionality		Device supports functionality required for ONU	O/1	Yes <input type="checkbox"/> No <input type="checkbox"/>

64.5.4 PICS proforma tables for Multi-Point MAC Control

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64.5.4.1 Compatibility Considerations

Item	Feature	Subclause	Value/Comment	Status	Support
CC1	Single Copy Broadcast support	64.3.4.3	Do not connect to 802.1D bridge port	M	Yes [] No []
CC2	Delay through MAC and PHY	64.3.4.4	Maximum delay variation of 32 bit times	M	Yes [] No []
CC3	OLT grant time delays	64.3.4.4	Not grant nearer than 1024 time_quantas into the future	OLT:M	Yes [] No []
CC4	ONU processing delays	64.3.4.4	Must process all messages in less than 1024 time_quantas	ONU:M	Yes [] No []

64.5.4.2 Optical Multipoint

Item	Feature	Subclause	Value/Comment	Status	Support
OM1	OLT localTime	64.3.5	Track transmit clock	OLT:M	Yes [] No []
OM2	ONU localTime	64.3.5	Track receive clock	ONU:M	Yes [] No []
OM3	Random wait for transmitting Register_Req messages	64.3.8	Shorter than length of discovery time window	ONU:M	Yes [] No []
OM4	grant_length	64.3.8.5	Twice the size of REGISTER_REQ_MPCPDU	OLT:M	Yes [] No []
OM5	length parameter	64.3.8.5	Length is at least grant_length	OLT:M	Yes [] No []
OM6	Queue reports	64.3.9	Specified in 2-byte multiples	ONU:M	Yes [] No []
OM7	Periodic report generation	64.3.9	Reports are generated periodically	ONU:M	Yes [] No []
OM8	Periodic report generation	64.3.9	Reports are generated periodically	ONU:M	Yes [] No []
OM9	Periodic granting	64.3.9	Grants are issued periodically	OLT:M	Yes [] No []
OM10	Issuing of grants	64.3.10	Not issue more than maximal supported grants	OLT:M	Yes [] No []

64.5.4.3 State Machines

Item	Feature	Subclause	Value/Comment	Status	Support
SM1	Multiplexing Control	64.2.2.6	Meets the requirements of Figure 64–6	M	Yes []
SM2	Control Parser	64.2.3.6	Meets the requirements of Figure 64–10	M	Yes []
SM3	Control Multiplexer	64.2.3.6	Meets the requirements of Figure 64–12	M	Yes []
SM4	OLT Control Multiplexer	64.2.3.6	Meets the requirements of Figure 64–11	OLT:M	Yes []
SM5	Discovery Processing OLT Window Setup	64.3.8.6	Meets the requirements of Figure 64–17	OLT:M	Yes []
SM6	Discovery Processing OLT Process Requests	64.3.8.6	Meets the requirements of Figure 64–18	OLT:M	Yes []
SM7	Discovery Processing OLT Final Registration	64.3.8.6	Meets the requirements of Figure 64–19	OLT:M	Yes []
SM8	Report Processing at OLT	64.3.9.6	Meets the requirements of Figure 64–23	OLT:M	Yes []
SM9	Gate Processing at OLT	64.3.10.6	Meets the requirements of Figure 64–26	OLT:M	Yes []
SM10	Discovery Processing ONU Window Setup	64.3.8.6	Meets the requirements of Figure 64–20	ONU:M	Yes []
SM11	Discovery Processing ONU Registration	64.3.8.6	Meets the requirements of Figure 64–21	ONU:M	Yes []
SM12	Report Processing at ONU	64.3.9.6	Meets the requirements of Figure 64–24	ONU:M	Yes []
SM13	Gate Processing at ONU	64.3.10.6	Meets the requirements of Figure 64–27	ONU:M	Yes []
SM14	Gate Processing ONU Activation	64.3.10.6	Meets the requirements of Figure 64–28	ONU:M	Yes []

64.5.4.4 MPCP

Item	Feature	Subclause	Value/Comment	Status	Support
MP1	VLAN Tags	64.4.1	MPCPDU are not tagged	M	Yes [] No []
MP2	REPORT issuing	64.4.3	Issues REPORT periodically	ONU:M	Yes [] No []
MP3	TX during synchronization	64.4.6	Transmit IDLE	ONU:M	Yes [] No []

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