Title: Outcome of MIB Ad-hoc Meeting

Symbionics Developments Ltd
St John's Innovation Park
Cowley Road
Cambridge, UK
CB4 4WS

Presented by: Tim Phipps
Tel: +44 1223 421025
Fax: +44 1223 421031
Email: tgcp@symbionics.co.uk

0.0.0.1. oSMT

SMT MANAGED OBJECT CLASS
DERIVED FROM "ISO/IEC 10165-2":top;
CHARACTERIZED BY

pSMT_base
BEHAVIOUR

pSMT_base BEHAVIOUR
DEFINED AS "The SMT object class provides the necessary support at the station to manage the processes in the station such that the station may work cooperatively as a part of an 802.11 network.";

ATTRIBUTES

aStation_ID GET,
aActing_as_AP_Status GET,
aCurrent_AP_MAC_Address GET,
aCurrent_BSS_ID GET,
aCurrent_ESS_ID GET-REPLACE,
aKnown_AP GET,(1 to N deep)
aAuthentication_Algorithms GET,
aPrivacy_Algorithms GET,
aSelected_Authentication_Algorithm GET,
aSelected_Privacy_Algorithm GET,
aAuthentication_Handshake_State GET,
aPrivacy_Handshake_State GET,
aAuthentication_State GET,
aPrivacy_State GET,
aMin_Authentication_Required GET,
aMin_Privacy_Required GET,
aAssociated_State GET,
aBeacon_Period GET-REPLACE,
aPower_Mgt_State GET-REPLACE,
aPower_Mgt_Capability GET;
ATTRIBUTE GROUPS
  agStation_Config_grp,
  agAuthentication_grp,
  agPrivacy_grp;

ACTIONS
  acSMT_init,
  acSMT_reset;

NOTIFICATIONS
  nAssociate;
  nDissociate;

REGISTERED AS { iso(1) member-body(2) us(840) ieee802dot11(xxxx) smt(0) };

0.0.0.1. MAC Object Class

0.0.0.1.1. oMAC

MAC MANAGED OBJECT CLASS
DERIVED FROM "ISO/IEC 10165-2":top;
CHARACTERIZED BY
  pMAC_base

BEHAVIOUR
  bMAC_base BEHAVIOUR
    DEFINED AS "The MAC object class provides the necessary support for the access control, generation
    and verification of frame check sequences, and proper delivery of valid data to upper layers."

ATTRIBUTES
  aMAC_Address
  aGroup_Addresses
  aPromiscuous_Status
  aTransmitted_Frame_Count
  aOctets_Transmitted_Count
  aMulticast_Transmitted_Frame_Count
  aBroadcast_Frame_Count
  aFailed_Count
  aFrame_Exchange_Error_Count
  aSingle_Frame_Exchange_Error_Count
  aMultiple_Frame_Exchange_Error_Count
  aFrame_Transmitted_Count
  aMulticast_Frame_Transmitted_Count
  aBroadcast_Frame_Transmitted_Count
  aFailed_Frame_Count
  aFrame_Exchange_Error_Count
  aFCS_Error_Count
  aLength_Mismatch_Count
  aFrame_TOO_Long_Count
  aFrame_With_Protocol_Error_Count
  aMAC_Enable_Status
  aTransmit_Enable_Status
  aNAV
  aNAV_max
  aRate_Factor
  aHandshake_Overhead
  aSIFS
  aPIFS
  aDIFS

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aRTS_Threshold | GET-REPLACE,
aTotal_Accumulated_Backoff_Time | GET-REPLACE,
slot_Time | GET,
CW_max | GET-REPLACE,
aCW_min | GET-REPLACE,
CTSTime | GET,
ACK_Time | GET,
RTS_Retry_max | GET-REPLACE,
DATA_Retry_max | GET-REPLACE,
Max_Frame_Length | GET,
Fragmentation_Threshold | GET-REPLACE,
Manufacturer_ID | GET,
Product_ID | GET;

ATTRIBUTE GROUPS
agCapabilities_grp,
agConfig_grp,
agAddress_grp,
agOperation_grp,
agCounters_grp,
agFrame_Error_Condition grp,
agStatus_grp;

ACTIONS
acMAC_init,
acMAC_reset;

NOTIFICATIONS
nFrame_Error_Rate_Exceeded;

REGISTERED AS { iso(1) member-body(2) us(840) ieee802dot11(xxxx) mac(1) };

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