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				Type :PICS
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## IRC-SRC MS/TP Protocol Implementation Conformance Statement (PICS) V1.1

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Document version	Date	Writer	Modifications	Product version
0.1	16/02/2010	G. GIRARD	Document creation	Hardware 1.6 Firmware 01.03 Application 00.08
0.2	07/04/2010	G. GIRARD	- Add partial implementation of high-limit and low-limit on Analog Value - Rename standard names as 135-2008 addendum k	Hardware 1.6 Firmware 01.06 Application 00.14
1.0	19/10/2010	G. GIRARD	- New objects implementation - Fix some errors	Hardware 1.6 Firmware 01.06 Application 00.17
1.1	04/11/2010	G.GIRARD	- Increment Application Revision after certification tests	Hardware 1.6 Firmware 01.06 Application 01.01

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## BACnet Protocol Implementation Conformance Statement

**Date:** 04/11/2010

**Vendor Name:** Distech Controls SAS (332)

**Product Name:** Integrated Room Controller – Space Room Controller version for MS/TP network

**Product Model Number:** IRC-SRC MS/TP

**Application Software Version:** 01.01      **Firmware Revision:** 01.06      **BACnet Protocol Version:** 1.10

### 1. Product Description

The IRC-SRC MS/TP powered in 230VAC control hot/cold groups (radiators, fan coil, chilled beams, chilled ceiling) by driving valves and ventilation. They can also control indifferently warm or cold water devices, 2 or 4 pipes, with or without electric heater.

The IRC modular concept allows the process control of all office comfort as HVAC (Heating Ventilation & Air Conditioning) Lighting and sunblind. The HVAC room controller and its light and sunblind add-on modules can be associated in a modular way.

### 2. BACnet Standardized Device Profile (Annex L)

- BACnet Operator Workstation (B-OWS)
- BACnet Building Controller (B-BC)
- BACnet Advanced Application Controller (B-AAC)
- BACnet Application Specific Controller (B-ASC)
- BACnet Smart Sensor (B-SS)
- BACnet Smart Actuator (B-SA)

### 3. BACnet interoperability Building Blocks Supported (Annex K)

A: Service initiated by the node (Client)

B: Service executed by the node (Serveur)

#### 3.1. Data Sharing BIBBs

- Data Sharing – ReadProperty-B DS-RP-B

BACnet Service	Initiate	Execute
ReadProperty		X

- Data Sharing – ReadPropertyMultiple-B DS-RPM-B

BACnet Service	Initiate	Execute
ReadPropertyMultiple		X

- Data Sharing – WriteProperty-B DS-WP-B

BACnet Service	Initiate	Execute
WriteProperty		X


- Data Sharing – COV-Unsolicited-A DS-COVU-A

BACnet Service	Initiate	Execute
UnconfirmedCOVNotification	X	

- Data Sharing – COV-Unsolicited-B DS-COVU-B

BACnet Service	Initiate	Execute
UnconfirmedCOVNotification		X

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### 3.2. Alarm and Event Management BIBBs

### 3.3. Scheduling BIBBs

### 3.4. Trending BIBBs

### 3.5. Device Management BIBBs

- Device Management – Dynamic Device Binding-B DM-DDB-B

BACnet Service	Initiate	Execute
Who-Is		X
I-Am	X	

- Device Management – Dynamic Object Binding-B DM-DOB-B

BACnet Service	Initiate	Execute
Who-Has		X
I-Have	X	

- Device Management – DeviceCommunicationControl-B DM-DCC-B

BACnet Service	Initiate	Execute
DeviceCommunicationControl		X

- Device Management – ReinitializeDevice-B DM-RD-B

BACnet Service	Initiate	Execute
ReinitializeDevice		X

### 3.6. Network Management BIBBs

## 4. Segmentation Capability

- Able to transmit segmented messages Window size: /  
 Able to receive segmented messages Window size: /


## 5. Standard Object Type supported

List of standard objects actually provided by the protocol. Objects supported by the device are checked, see next part for more detail about each object supported.

- |  |  |   |   |
|--|--|---|---|
| <input checked="" type="checkbox"/> Accumulator      | <input checked="" type="checkbox"/> Analog Input | <input checked="" type="checkbox"/> Analog Output | <input checked="" type="checkbox"/> Analog Value      |
| <input type="checkbox"/> Averaging                   | <input checked="" type="checkbox"/> Binary Input | <input checked="" type="checkbox"/> Binary Output | <input checked="" type="checkbox"/> Binary Value      |
| <input type="checkbox"/> Calendar                    | <input type="checkbox"/> Command                 | <input checked="" type="checkbox"/> Device        | <input type="checkbox"/> Event Enrollment             |
| <input type="checkbox"/> Event Log                   | <input type="checkbox"/> File                    | <input type="checkbox"/> Group                    | <input type="checkbox"/> Life Safety Point            |
| <input type="checkbox"/> Life Safety Zone            | <input checked="" type="checkbox"/> Loop         | <input type="checkbox"/> Multistate Input         | <input checked="" type="checkbox"/> Multistate Output |
| <input checked="" type="checkbox"/> Multistate Value | <input type="checkbox"/> Notification Class      | <input checked="" type="checkbox"/> Program       | <input type="checkbox"/> Pulse Converter              |
| <input type="checkbox"/> Schedule                    | <input type="checkbox"/> Trend Log               | <input type="checkbox"/> Access Door              | <input type="checkbox"/> Load Control                 |
| <input type="checkbox"/> Structured View             | <input type="checkbox"/> Trend Log Multiple      | <input type="checkbox"/> Event Enrollment         |   |

List of proprietary object supported by the device:

- RIR (Proprietary 514)

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Implementation of these objects can be different for each instance. To specify it, refer to the following annotation:

- <sup>1</sup>: Not present in all instances.  
<sup>2</sup>: Not writable in all instances.

### 5.1. Accumulator Object

- Dynamically creatable  
 Dynamically deleteable


Property name	Required: R Optional: O	Implemented	Proprietary	Writable	Range	Property ID	Data Type
Object_Identifier	R	X				75	BACnetObjectIdentifier
Object_Name	R	X				77	CharacterString
Object_Type	R	X				79	BACnetObjectType
Present_Value	R	X				85	Unsigned
Description	O	X				28	CharacterString
Status_Flag	R	X				111	BACnetStatusFlag
Event_State	R	X				36	BACnetEventState
Reliability	O	X				103	BACnetReliability
Out_Of_Service	R	X				81	BOOLEAN
Scale	R	X		X		186	BACnetScale
Units	R	X		X		117	BACnetEngineeringUnits
Prescale	O	X <sup>1</sup>		X		188	BACnetPrescale
Max_Pres_Value	R	X				65	Unsigned
Value_Change_Time	O	X				192	BACnetDateTime
Value_Before_Change	O	X				190	Unsigned
Value_Set	O	X		X		191	Unsigned
Profile_Name	O	X				167	CharacterString

### 5.2. Analog Input Object

- Dynamically creatable  
 Dynamically deleteable

Property name	Required: R Optional: O	Implemented	Proprietary	Writable	Range	Property ID	Data Type
Object_Identifier	R	X				75	BACnetObjectIdentifier
Object_Name	R	X				77	CharacterString
Object_Type	R	X				79	BACnetObjectType
Present_Value	R	X		X <sup>2</sup>		85	REAL
Description	O	X				28	CharacterString
Status_Flag	R	X				111	BACnetStatusFlag
Event_State	R	X				36	BACnetEventState
Reliability	O	X				103	BACnetReliability
Out_Of_Service	R	X				81	BOOLEAN
Units	R	X				117	BACnetEngineeringUnits
Profile_Name	O	X				168	CharacterString

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TempMeas_OnOff		X <sup>1</sup>	X	X		1 000 001	BOOLEAN
TempFilter		X <sup>1</sup>	X	X	0..10	1 000 002	Real
LuxMeas_OnOff		X <sup>1</sup>	X	X		1 000 011	BOOLEAN
CoefReflexion		X <sup>1</sup>	X	X	10..200	1 000 012	Unsigned
LuxFilter		X <sup>1</sup>	X	X	0..200	1 000 013	Unsigned
InputCfg		X <sup>1</sup>	X	X	0..255	1 000 021	Unsigned
Proprietary_Polarity		X <sup>1</sup>	X	X		1 000 660	BOOLEAN


### 5.3. Analog Output Object

- Dynamically creatable  
 Dynamically deleteable

Property name	Required: R Optional: O	Implemented	Proprietary	Writable	Range	Property ID	Data Type
Object_Identifier	R	X				75	BACnetObjectIdentifier
Object_Name	R	X				77	CharacterString
Object_Type	R	X				79	BACnetObjectType
Present_Value	R	X		X	0..100	85	REAL
Description	O	X				28	CharacterString
Status_Flag	R	X				111	BACnetStatusFlag
Event_State	R	X				36	BACnetEventState
Reliability	O	X				103	BACnetReliability
Out_Of_Service	R	X				81	BOOLEAN
Units	R	X				117	BACnetEngineeringUnits
Min_Pres_Value	O	X		X <sup>2</sup>	0..100	69	REAL
Max_Pres_Value	O	X		X <sup>2</sup>	0..100	65	REAL
Priority_Array	R	X				87	BACnetPriorityArray
Relinquish_Default	R	X				104	REAL
Profile_Name	O	X				168	CharacterString
OutputCfg		X <sup>1</sup>	X	X	0..255	1 000 022	Unsigned
Tcnd_Group		X <sup>1</sup>	X	X	0..8	1 000 052	Unsigned
Room		X <sup>1</sup>	X	X	0..4095	1 000 061	Unsigned
Lighting_Mode		X <sup>1</sup>	X	X	0..1	1 000 151	Unsigned
Regul_Group		X <sup>1</sup>	X	X	1..2	1 000 152	Unsigned
Regul_OnOff		X <sup>1</sup>	X	X		1 000 153	BOOLEAN
Regul_Min		X <sup>1</sup>	X	X	0..100	1 000 154	Unsigned
Ramp_Rate		X <sup>1</sup>	X	X	0..100	1 000 155	Unsigned
Proprietary_In_Process		X <sup>1</sup>	X			1 000 156	BOOLEAN
Progress_Value		X <sup>1</sup>	X		0..100	1 000 157	Unsigned
Proprietary_Polarity		X <sup>1</sup>	X	X		1 000 660	BOOLEAN

### 5.4. Analog Value Object

- Dynamically creatable  
 Dynamically deleteable

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Property name	Required: R Optional: O	Implemented	Proprietary	Writable	Range	Property ID	Data Type
Object_Identifier	R	X				75	BACnetObjectIdentifier
Object_Name	R	X				77	CharacterString
Object_Type	R	X				79	BACnetObjectType
Present_Value	R	X		X <sup>2</sup>		85	REAL
Description	O	X				28	CharacterString
Status_Flag	R	X				111	BACnetStatusFlag
Event_State	R	X				36	BACnetEventState
Reliability	O	X				103	BACnetReliability
Out_Of_Service	R	X				81	BOOLEAN
Units	R	X				117	BACnetEngineeringUnits
Profile_Name	O	X				168	CharacterString
fanOffDelay		X <sup>1</sup>	X	X	10..255	1 000 120	Unsigned
fanMode		X <sup>1</sup>	X	X	0..1	1 000 121	Unsigned
fanOverride		X <sup>1</sup>	X	X	0..4	1 000 122	Unsigned
fanCfg		X <sup>1</sup>	X	X	0..3	1 000 123	Unsigned
FanLevel1		X <sup>1</sup>	X	X	0..255	1 000 124	Unsigned
FanLevel2		X <sup>1</sup>	X	X	0..255	1 000 125	Unsigned
FanLevel3		X <sup>1</sup>	X	X	0..255	1 000 126	Unsigned
Fanmini		X <sup>1</sup>	X	X	0..255	1 000 127	Unsigned
EffectLuxMode		X <sup>1</sup>	X	X		1 000 139	BOOLEAN
Mode		X <sup>1</sup>	X	X	0..2	1 000 160	Unsigned
TempEffectMode		X <sup>1</sup>	X	X	0..1	1 000 200	Unsigned
TempMeanTime		X <sup>1</sup>	X	X	0..100	1 000 201	Unsigned
sensorSelect		X <sup>1</sup>	X	X	0..1	1 000 202	Unsigned
occupied_cool		X <sup>1</sup>	X	X	0..50	1 000 210	REAL
standby_cool		X <sup>1</sup>	X	X	0..50	1 000 211	REAL
unoccupied_cool		X <sup>1</sup>	X	X	0..50	1 000 212	REAL
occupied_heat		X <sup>1</sup>	X	X	0..50	1 000 213	REAL
standby_heat		X <sup>1</sup>	X	X	0..50	1 000 214	REAL
unoccupied_heat		X <sup>1</sup>	X	X	0..50	1 000 215	REAL

### 5.5. Binary Input Object

- Dynamically creatable  
 Dynamically deleteable

Property name	Required: R Optional: O	Implemented	Proprietary	Writable	Range	Property ID	Data Type
Object_Identifier	R	X				75	BACnetObjectIdentifier
Object_Name	R	X				77	CharacterString
Object_Type	R	X				79	BACnetObjectType
Present_Value	R	X				85	BACnetBinaryPV
Description	O	X				28	CharacterString
Status_Flag	R	X				111	BACnetStatusFlag
Event_State	R	X				36	BACnetEventState
Reliability	O	X				103	BACnetReliability

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Out_Of_Service	R	X			81	BOOLEAN
Polarity	R	X		X	84	BACnetPolarity
Profile_Name	O	X			168	CharacterString
InutCfg		X	X	X	1 000 021	Unsigned

### 5.6.Binary Output Object

- Dynamically creatable  
 Dynamically deleteable


Property name	Required: R Optional: O	Implemented	Proprietary	Writable	Range	Property ID	Data Type
Object_Identifier	R	X				75	BACnetObjectIdentifier
Object_Name	R	X				77	CharacterString
Object_Type	R	X				79	BACnetObjectType
Present_Value	R	X		X		85	BACnetBinaryPV
Description	O	X				28	CharacterString
Status_Flag	R	X				111	BACnetStatusFlag
Event_State	R	X				36	BACnetEventState
Reliability	O	X				103	BACnetReliability
Out_Of_Service	R	X				81	BOOLEAN
Polarity	R	X		X		84	BACnetPolarity
Inactivee_Text	O	X				46	CharacterString
Active_Text	O	X				4	CharacterString
Priority_Array	R	X				87	BACnetPriorityArray
Relinquish_Default	R	X				104	BACnetBinaryPV
Profile_Name	O	X				168	CharacterString
OutputCfg		X	X	X		1 000 022	Unsigned

### 5.7.Binary Value Object

- Dynamically creatable  
 Dynamically deleteable

Property name	Required: R Optional: O	Implemented	Proprietary	Writable	Range	Property ID	Data Type
Object_Identifier	R	X				75	BACnetObjectIdentifier
Object_Name	R	X				77	CharacterString
Object_Type	R	X				79	BACnetObjectType
Present_Value	R	X		X		85	BACnetBinaryPV
Description	O	X				28	CharacterString
Status_Flag	R	X				111	BACnetStatusFlag
Event_State	R	X				36	BACnetEventState
Out_Of_Service	R	X				81	BOOLEAN
Profile_Name	O	X				168	CharacterString



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### 5.8.Device Object

- Dynamically creatable  
 Dynamically deleteable


Property name	Required: R Optional: O	Implemented	Proprietary	Writable	Range	Property ID	Data Type
Object_Identifier	R	X		X	0.. 4 194 303	75	BACnetObjectIdentifier
Object_Name	R	X				77	CharacterString
Object_Type	R	X				79	BACnetObjectType
System_Status	R	X				112	BACnetDeviceStatus
Vendor_Name	R	X				121	CharacterString
Vendor_Identifier	R	X				120	Unsigned16
Model_Name	R	X				70	CharacterString
Firmware_Revision	R	X				44	CharacterString
Application_Software_Version	R	X				12	CharacterString
Protocol_Version	R	X				98	Unsigned
Protocol_Revision	R	X				139	Unsigned
Protocol_Service_Supported	R	X				97	BACnetServicesSupported
Protocol_Object_Types_Supported	R	X				96	BACnetObjectTypesSupported
Object_List	R	X				76	BACnetARRAY[N] of BACnet ObjectIdentifier
Max_APDU_Lenght_Accepted	R	X				62	Unsigned
Segmentation_Supported	R	X				107	BACnetSegmentation
APDU_Timeout	R	X				11	Unsigned
Number_of_APDU_Retries	R	X				73	Unsigned
Max_Master	O	X		X	1..127	64	Unsigned
Max_Info_Frames	O	X		X	1..255	63	Unsigned
Device_Address_Binding	R	X				30	List of BACnetAddressBinding
Database_Revision	R	X				155	Unsigned

### 5.9.Loop Object

- Dynamically creatable  
 Dynamically deleteable


Property name	Required: R Optional: O	Implemented	Proprietary	Writable	Range	Property ID	Data Type
Object_Identifier	R	X				75	BACnetObjectIdentifier
Object_Name	R	X				77	CharacterString
Object_Type	R	X				79	BACnetObjectType
Present_Value	R	X				85	REAL
Description	O	X				28	CharacterString
Status_Flag	R	X				111	BACnetStatusFlag
Event_State	R	X				36	BACnetEventState
Reliability	O	X				103	BACnetReliability
Out_Of_Service	R	X				81	BOOLEAN

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Output_Units	R	X				82	BACnetEngineeringUnits
Manipulated_Variable_Reference	R	X				60	BACnetObjectPropertyReference
Controlled_Variable_Reference	R	X				19	BACnetObjectPropertyReference
Controlled_Variable_Value	R	X				21	REAL
Controlled_Variable_Units	R	X				20	BACnetEngineeringUnits
Setpoint_Reference	R	X				109	BACnetSetpointReference
Setpoint	R	X		X		108	REAL
Action	R	X				2	BACnetAction
Proportional_Constant	O	X		X	0..1000 0	93	REAL
Proportional_Constant_Units	O	X				94	BACnetEngineeringUnits
Integral_Constant	O	X <sup>1</sup>		X	0..1000 0	49	REAL
Integral_Constant_Units	O	X <sup>1</sup>				50	BACnetEngineeringUnits
Priority_For_Writing	R	X				88	Unsigned
Profile_Name	O	X				168	CharacterString
Fcctype		X <sup>1</sup>	X	X	1..11	1 000 101	Unsigned
roomModuleType		X <sup>1</sup>	X	X	0..0	1 000 102	Unsigned
roomModuleDisplay		X <sup>1</sup>	X	X	0..9	1 000 103	Unsigned
OffsetTemp		X <sup>1</sup>	X	X	-10..10	1 000 104	Signed
OffsetDA		X <sup>1</sup>	X	X	-10..10	1 000 105	Signed
EmergTemp		X <sup>1</sup>	X	X	0..20	1 000 106	Unsigned
ValveTime		X <sup>1</sup>	X	X	20..250	1 000 107	Unsigned
RelayTime		X <sup>1</sup>	X	X	100..25 0	1 000 108	Unsigned
ValveCoeff		X <sup>1</sup>	X	X	0..250	1 000 109	Unsigned
Dischair_type		X <sup>1</sup>	X	X	0..4	1 000 110	Unsigned
Dischair_propband		X <sup>1</sup>	X	X	0..1000 0	1 000 111	Unsigned
Dischair_low		X <sup>1</sup>	X	X	0..1000 0	1 000 112	Unsigned
Dischair_high		X <sup>1</sup>	X	X	0..1000 0	1 000 113	Unsigned
ZoneRapide		X <sup>1</sup>	X	X	0..255	1 000 130	Unsigned
ZoneInactive		X <sup>1</sup>	X	X	0..255	1 000 131	Unsigned
Thresholds_window		X <sup>1</sup>	X	X	0..100	1 000 132	BACnetARRAY[2] of Unsigned
Thresholds_corridor		X <sup>1</sup>	X	X	0..100	1 000 133	BACnetARRAY[2] of Unsigned
LightPower		X <sup>1</sup>	X	X	0..1000 0	1 000 135	Unsigned
LightPowerRatio		X <sup>1</sup>	X	X	0..100	1 000 136	Unsigned
LuxEffectMode		X <sup>1</sup>	X	X	0..1	1 000 137	Unsigned
LuxMeanTime		X <sup>1</sup>	X	X	0..255	1 000 138	Unsigned
LAQ_High		X <sup>1</sup>	X	X	0..1000 0	1 000 140	Unsigned
LAQ_Type		X <sup>1</sup>	X	X	0..2	1 000 141	Unsigned
LAQ_Level1		X <sup>1</sup>	X	X	0..1000 0	1 000 142	Unsigned
LAQ_Level2		X <sup>1</sup>	X	X	0..1000 0	1 000 143	Unsigned
LoopOutput		X <sup>1</sup>	X		- 200..10 0	1 000 144	Signed
LAQ_EffectPpm		X <sup>1</sup>	X		0..2000	1 000 145	Unsigned
LLux_Corridor		X <sup>1</sup>	X		0..100	1 000 146	Unsigned
LLux_Window		X <sup>1</sup>	X		0..100	1 000 147	Unsigned

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### 5.10. Multistate Output Object

- Dynamically creatable  
 Dynamically deleteable


Property name	Required: R Optional: O	Implemented	Proprietary	Writable	Range	Property ID	Data Type
Object_Identifier	R	X				75	BACnetObjectIdentifier
Object_Name	R	X				77	CharacterString
Object_Type	R	X				79	BACnetObjectType
Present_Value	R	X		X		85	Unsigned
Description	O	X				28	CharacterString
Status_Flag	R	X				111	BACnetStatusFlag
Event_State	R	X				36	BACnetEventState
Reliability	O					103	BACnetReliability
Out_Of_Service	R	X				81	BOOLEAN
Number_Of_States	R	X				74	Unsigned
State_Text	O	X				110	BACnetARRAY[N] of CharacterString
Priority_Array	R	X				87	BACnetPriorityArray
Relinquish_Default	R	X				104	Unsigned
Profile_Name	O	X				168	CharacterString
In_Process		X		X		47	BOOLEAN
Polarity		X				84	BACnetPolarity
Tcnd_Group		X	X	X	0..8	1 000 052	Unsigned8
Room		X	X	X	0..4095	1 000 061	Unsigned16
SUN_Position		X	X		0..100	1 000 081	Unsigned8
SUN_Mode		X	X	X	0..1	1 000 082	Unsigned8
SUN_Rot_Speed		X	X	X	0..100	1 000 083	Unsigned16
SUN_RampTm		X	X	X	0..200	1 000 084	Unsigned16
SUN_PwmRotation		X	X	X	0..100	1 000 085	Unsigned16
SUN_Set_Position		X	X	X	0..100	1 000 086	Unsigned8
REGUL_Group		X	X	X	1..2	1 000 091	Unsigned8
Proprietary_In_Process		X	X			1 000 156	Boolean
Proprietary_Polarity		X	X	X		1 000 660	Boolean

### 5.11. Multistate Value Object

- Dynamically creatable  
 Dynamically deleteable

Property name	Required: R Optional: O	Implemented	Proprietary	Writable	Range	Property ID	Data Type
Object_Identifier	R	X				75	BACnetObjectIdentifier
Object_Name	R	X				77	CharacterString
Object_Type	R	X				79	BACnetObjectType
Present_Value	R	X		X <sup>2</sup>		85	Unsigned
Description	O	X				28	CharacterString
Status_Flag	R	X				111	BACnetStatusFlag

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Event_State	R	X				36	BACnetEventState
Reliability	O	X				103	BACnetReliability
Out_Of_Service	R	X				81	BOOLEAN
Number_Of_States	R	X				74	Unsigned
State_Text	O	X				110	BACnetARRAY[N] of CharacterString
Priority_Array	O	X <sup>1</sup>				87	BACnetPriorityArray
Relinquish_Default	O	X <sup>1</sup>				104	Unsigned
Profile_Name	O	X				168	CharacterString
Fan_RAZ		X <sup>1</sup>	X	X		1 000 031	BOOLEAN
Pas_Temp_Offset		X <sup>1</sup>	X	X	0..250	1 000 041	Unsigned
Offset_RAZ		X <sup>1</sup>	X	X		1 000 042	BOOLEAN
Tend_Cmd		X <sup>1</sup>	X	X	1..2	1 000 051	Unsigned
Tend_Group		X <sup>1</sup>	X	X	0..8	1 000 052	Unsigned
Room		X <sup>1</sup>	X		0..4095	1 000 061	Unsigned
PreasMeas_OnOff		X <sup>1</sup>	X	X		1 000 071	BOOLEAN
PresFilter		X <sup>1</sup>	X	X	1..100	1 000 072	Unsigned
TendOcc		X <sup>1</sup>	X	X	0..3	1 000 073	Unsigned
GTBOcc		X <sup>1</sup>	X	X	0..3	1 000 074	Unsigned
TendUnocc		X <sup>1</sup>	X	X	0..240	1 000 075	Unsigned
CmdLumG1		X <sup>1</sup>	X	X		1 000 170	BitString[6]
CmdLumG2		X <sup>1</sup>	X	X		1 000 171	BitString[6]
RegulLumG1		X <sup>1</sup>	X	X		1 000 172	BitString[6]
RegulLumG2		X <sup>1</sup>	X	X		1 000 173	BitString[6]
CmdStoreG1		X <sup>1</sup>	X	X		1 000 174	BitString[6]
CmdStoreG2		X <sup>1</sup>	X	X		1 000 175	BitString[6]
LumGrada1		X <sup>1</sup>	X	X	0..100	1 000 176	BACnetARRAY[6] of Unsigned
LumGrada2		X <sup>1</sup>	X	X	0..100	1 000 177	BACnetARRAY[6] of Unsigned
StoreH		X <sup>1</sup>	X	X	0..100	1 000 178	BACnetARRAY[6] of Unsigned
TOPresence		X <sup>1</sup>	X	X	0..3600	1 000 179	BACnetARRAY[6] of Unsigned

### 5.12. Program Object

- Dynamically creatable  
 Dynamically deleteable

Property name	Required: R Optional: O	Implemented	Proprietary	Writable	Range	Property ID	Data Type
Object_Identifier	R	X				75	BACnetObjectIdentifier
Object_Name	R	X				77	CharacterString
Object_Type	R	X				79	BACnetObjectType
Program_State	R	X				92	BACnetProgramState
Program_Change	R	X		X	2	90	BACnetProgramRequest
Description	O	X				28	CharacterString
Status_Flags	R	X				111	BACnetStatusFlags
Out_Of_Service	R	X				81	BOOLEAN
Profile_Name	O	X				168	CharacterString
PROG_Command		X	X	X	0..255	1 000 190	Unsigned

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PROG_Parameter		X	X	X	0..255	1 000 191	Unsigned
PROG_Response		X	X			1 000 194	Unsigned

## 6. Proprietary Object Type supported

### 6.1.RIR Object

- Dynamically creatable  
 Dynamically deleteable

Property name	Required: R Optional: O	Implemented	Proprietary	Writable	Range	Property ID	Data Type
Object_Identifier	/	X				75	BACnetObjectIdentifier
Object_Name	/	X				77	CharacterString
Object_Type	/	X				79	BACnetObjectType
Description	/	X				28	CharacterString
Profile_Name	/	X				167	CharacterString
Tcnd_ZoneIR		X	X	X	0..30	1 000 050	Unsigned
Tcnd_CmdLum_Off		X	X	X		1 000 053	BOOLEAN
Tcnd_CmdStore_Off		X	X	X		1 000 054	BOOLEAN
Tcnd_Occ_Off		X	X	X		1 000 055	BOOLEAN
Tcnd_Ventil_Off		X	X	X		1 000 056	BOOLEAN
Tcnd_TempOff_Off		X	X	X		1 000 057	BOOLEAN
Room		X	X	X	0..4095	1 000 061	Unsigned
CVC_Operating_Mode		X	X	X	0..2	1 000 220	Unsigned
MAC_Address		X	X	X	0..126	1 000 221	Unsigned
Link_Speed		X	X	X		1 000 222	Unsigned
Termination		X	X	X		1 000 223	BOOLEAN
PositiveSafety		X	X	X		1 000 224	BOOLEAN

## 7. Data Link Layer Options

- BACnet IP, (Annex J)  
 BACnet IP, (Annex J) Foreign Device  
 ISO 8802-3, Ethernet (Clause 7)  
 ATA 878.1, 2.5Mb. ARCNET (Clause 8)  
 ATA 878.1, EIA-485 ARCNET (Clause 8), baud rate(s): /  
 MS/TP Master (Clause 9), baud rate(s): 9600, 19200, 38400 (default), 76800  
 MS/TP Slave (Clause 9), baud rate(s):  
 Point-To-Point, EIA 232 (Clause 10), baud rate(s): /  
 Point-To-Point, modem (Clause 10), baud rate(s): /  
 LonTalk (Clause 11), medium: /  
 Other: /


## 8. Device Address Binding

Is static device binding supported? (This is currently necessary for two-way communication with MS/TP slaves and certain other devices.)  Yes  No

## 9. Networking Options

- Router, Clause 6 – List all routing configurations, e.g., ARCNET-Ethernet, Ethernet-MS/TP, etc.  
 Annex H, BACnet Tunneling Router over IP  
 BACnet/IP Broadcast Management Device (BBMD)  
 Does the BBMD support registrations by Foreign Devices?  Yes  No  
 Does the BBMD support network address translation?  Yes  No

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## 10.Character Sets Supported

Indicating support for multiple character sets does not imply that they can all be supported simultaneously.

- |   |   |                                     |
|---|---|-------------------------------------|
| <input checked="" type="checkbox"/> ISO 10646 (UTF-8) | <input type="checkbox"/> IBM™ / Microsoft™ DBCS | <input type="checkbox"/> ISO 8859-1 |
| <input type="checkbox"/> ISO 10646(UCS-2)             | <input type="checkbox"/> ISO 10646(UCS-4)       | <input type="checkbox"/> JIS X 0208 |