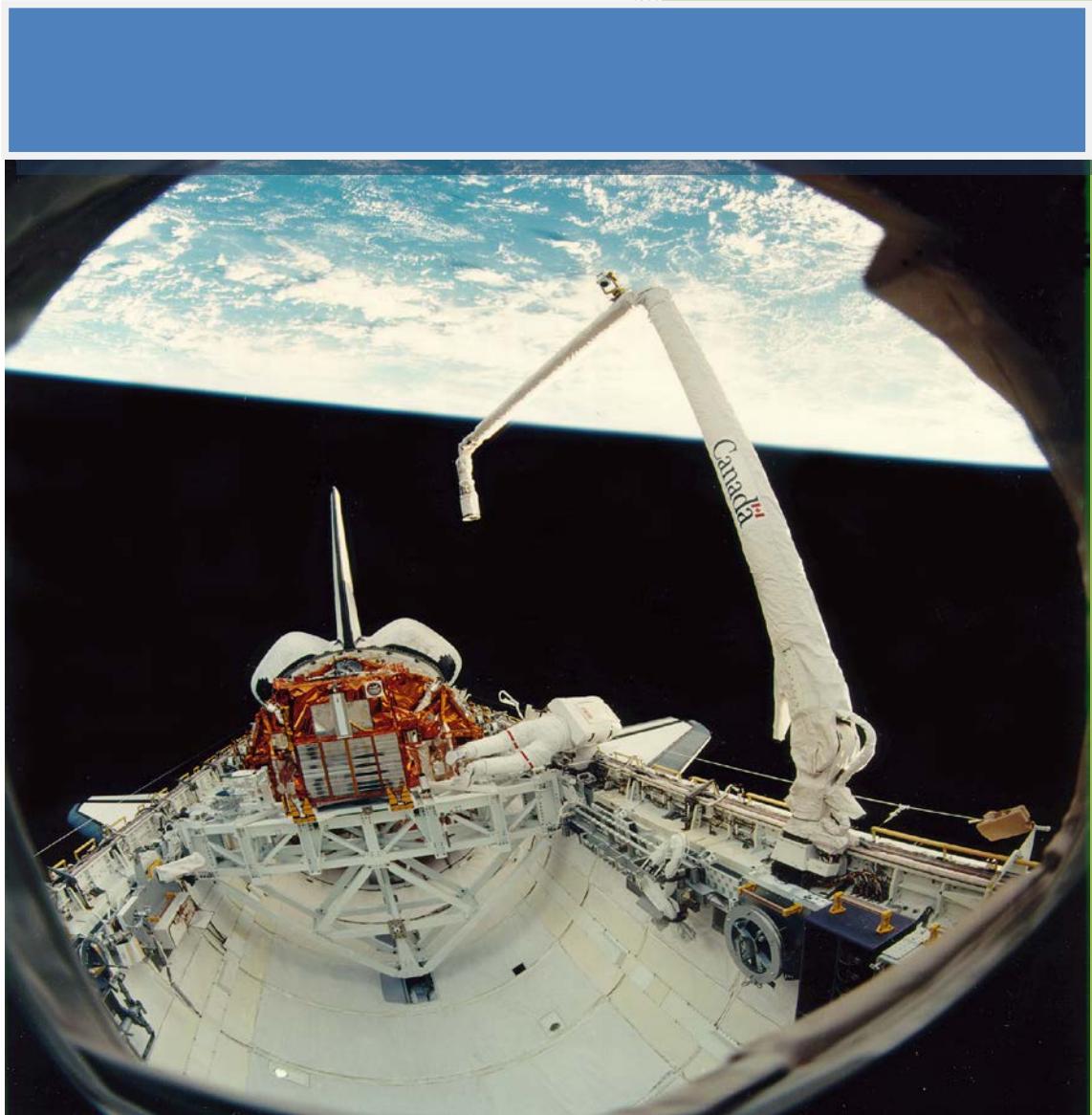


**PTS-DR200**  
**Time Server**  
**SNMP MIB Manual**



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Version Copyright

R7

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# 1.

# Basic Features

## 1.1. Introduction



[Figure 1-1] PTS-DR200 Time Server

PTS-DR200 is a multifunction time server. PTS-DR200 is designed for DIN Rail Mount requirements. It is a compact and provides nanosecond accuracy time service for any industry fields. It supports GPS (Global Positioning Service), BDS (Chinese Satellite System), and GLONASS (Russian Satellite System) as sky time sources and IEEE1588 PTP (Precision Timing Protocol), IRIG-B as ground time sources. Based on the multiple time source input PTS-DR200 has multi-time source selection logical and Sky-Grounding time backup function inside. It also supports IEEE1588 PTP (Precision Timing Protocol), NTP (Network Time Protocol), IRIG-B, 1PPS, 1PPM, 1PPH and TOD etc. time synchronization signal output as time synchronization purpose. PTS-DR200 supports TMS (Time Management System) features to report PTS-DR200 time status by IEC61850, IEC60870-5-104, SNMP, Modbus TCP, and DNP over TCP etc. It also can generate accurate GOOSE signal to trigger an event to monitor IED time status in power system and provides GOOSE subscriber to send time status by IEC61850 MMS. The default embedded WEB service provides system management and also optional support SNMP management.

**2.****SYNCSOURCE-MIB****2.1. MIB Single Node****2.1.1. syncSourceSat1Priority**

The OID is 1.3.6.1.4.1.45454.2.1.3.1.1. The definition please see the below table.

Table 1 –syncSourceSat1Priority

| Data Type | Description                    | RW         | Status  |
|-----------|--------------------------------|------------|---------|
| Integer32 | SAT1 Channel Priority:<br>1~10 | read-write | Current |

**2.1.2. syncSourceSat1Delay**

The OID is 1.3.6.1.4.1.45454.2.1.3.1.2. The definition please see the below table.

Table 2 –syncSourceSat1Delay

| Data Type | Description                                      | RW         | Status  |
|-----------|--|------------|---------|
| Integer32 | SAT1 Compensation Delay:<br>-999999999~999999999 | read-write | Current |

**2.1.3. syncSourceSat1MulType**

The OID is 1.3.6.1.4.1.45454.2.1.3.1.3. The definition please see the below table.

Table 3 –syncSourceSat1MulType

| Data Type | Description                               | RW         | Status  |
|-----------|---|------------|---------|
| Integer32 | SAT1 Source Type:<br>0-NONE;1-SYNC;2-PEER | read-write | Current |

**2.1.4. syncSourceSat1ChannelType**

The OID is 1.3.6.1.4.1.45454.2.1.3.1.4. The definition please see the below table.

Table 4 –syncSourceSat1ChannelType

| Data Type | Description                              | RW         | Status  |
|-----------|--|------------|---------|
| Integer32 | SAT1 Channel Type:<br>1-UBLOX8; 2-AT3340 | read-write | Current |

**2.1.5. syncSourceSat1SatMode**

The OID is 1.3.6.1.4.1.45454.2.1.3.1.5. The definition please see the below table.

Table 5 –syncSourceSat1SatMode

| Data Type | Description   | RW         | Status  |
|-----------|---|------------|---------|
| Integer32 | SAT1 Work Mode:<br>0-Auto; 1-A-BDS; 2-A-GPS;<br>3-A-GLONASS; 4-F-BDS;<br>5-F-GPS; 6-F-GLONASS | read-write | Current |

#### 2.1.6. syncSourceIrigb1Priority

The OID is 1.3.6.1.4.1.45454.2.1.3.1.11. The definition please see the below table.

Table 6 –syncSourceIrigb1Priority

| Data Type | Description                       | RW         | Status  |
|-----------|-----------------------------------|------------|---------|
| Integer32 | IRIG-B1 Channel Priority:<br>1~10 | read-write | Current |

#### 2.1.7. syncSourceIrigb1MulType

The OID is 1.3.6.1.4.1.45454.2.1.3.1.12. The definition please see the below table.

Table 7 –syncSourceIrigb1MulType

| Data Type | Description                                  | RW         | Status  |
|-----------|--|------------|---------|
| Integer32 | IRIG-B1 Source Type:<br>0-NONE;1-SYNC;2-PEER | read-write | Current |

#### 2.1.8. syncSourceIrigb1Channel

The OID is 1.3.6.1.4.1.45454.2.1.3.1.13. The definition please see the below table.

Table 8 –syncSourceIrigb1Channel

| Data Type | Description                         | RW         | Status  |
|-----------|-------------------------------------|------------|---------|
| Integer32 | IRIG-B1 Channel Type:<br>2-FI; 3-TI | read-write | Current |

#### 2.1.9. syncSourceIrigb1Input

The OID is 1.3.6.1.4.1.45454.2.1.3.1.14. The definition please see the below table.

Table 9 –syncSourceIrigb1Input

| Data Type | Description                           | RW         | Status  |
|-----------|---------------------------------------|------------|---------|
| Integer32 | IRIG-B1 Input Format:<br>0-DC+; 3-DC- | read-write | Current |

#### 2.1.10. syncSourceIrigb1Offset

The OID is 1.3.6.1.4.1.45454.2.1.3.1.15. The definition please see the below table.

Table 10 –syncSourceIrigb1Offset

| Data Type    | Description                        | RW         | Status  |
|--------------|------------------------------------|------------|---------|
| OCTET STRING | IRIG-B1 Offset with UTC:<br>-12~12 | read-write | Current |

#### 2.1.11. syncSourceIrigb2Priority

The OID is 1.3.6.1.4.1.45454.2.1.3.1.16. The definition please see the below table.

Table 11 –syncSourceIrigb2Priority

| Data Type | Description                       | RW         | Status  |
|-----------|-----------------------------------|------------|---------|
| Integer32 | IRIG-B2 Channel Priority:<br>1~10 | read-write | Current |

#### 2.1.12. syncSourceIrigb2MulType

The OID is 1.3.6.1.4.1.45454.2.1.3.1.17. The definition please see the below table.

Table 12 –syncSourceIrigb2MulType

| Data Type | Description                                  | RW         | Status  |
|-----------|--|------------|---------|
| Integer32 | IRIG-B2 Source Type:<br>0-NONE;1-SYNC;2-PEER | read-write | Current |

#### 2.1.13. syncSourceIrigb2Channel

The OID is 1.3.6.1.4.1.45454.2.1.3.1.18. The definition please see the below table.

Table 13 –syncSourceIrigb2Channel

| Data Type | Description                         | RW         | Status  |
|-----------|-------------------------------------|------------|---------|
| Integer32 | IRIG-B2 Channel Type:<br>2-FI; 3-TI | read-write | Current |

#### 2.1.14. syncSourceIrigb2Input

The OID is 1.3.6.1.4.1.45454.2.1.3.1.19. The definition please see the below table.

Table 14 –syncSourceIrigb2Input

| Data Type | Description                           | RW         | Status  |
|-----------|---------------------------------------|------------|---------|
| Integer32 | IRIG-B2 Input Format:<br>0-DC+; 3-DC- | read-write | Current |

#### 2.1.15. syncSourceIrigb2Offset

The OID is 1.3.6.1.4.1.45454.2.1.3.1.20. The definition please see the below table.

Table 15 –syncSourceIrigb2Offset

| Data Type    | Description              | RW         | Status  |
|--------------|--------------------------|------------|---------|
| OCTET STRING | IRIG-B2 Offset with UTC: | read-write | Current |

|  |        |  |  |
|--|--------|--|--|
|  | -12~12 |  |  |
|--|--------|--|--|

### 2.1.16. syncSourcePtpPriority

The OID is 1.3.6.1.4.1.45454.2.1.3.1.21. The definition please see the below table.

Table 16 –syncSourcePtpPriority

| Data Type | Description                   | RW         | Status  |
|-----------|-------------------------------|------------|---------|
| Integer32 | PTP Channel Priority:<br>1~10 | read-write | Current |

### 2.1.17. syncSourcePtpMultiType

The OID is 1.3.6.1.4.1.45454.2.1.3.1.22. The definition please see the below table.

Table 17 –syncSourcePtpMultiType

| Data Type | Description                              | RW         | Status  |
|-----------|--|------------|---------|
| Integer32 | PTP Source Type:<br>0-NONE;1-SYNC;2-PEER | read-write | Current |

### 2.1.18. syncSourceSyncMode

The OID is 1.3.6.1.4.1.45454.2.1.3.1.23. The definition please see the below table.

Table 18 –syncSourceSyncMode

| Data Type | Description                    | RW         | Status  |
|-----------|--------------------------------|------------|---------|
| Integer32 | Source Work Mode:<br>0-Single; | read-write | Current |

## 2.2. MIB Table Node

### 2.2.1. syncSourceTable

The OID is 1.3.6.1.4.1.45454.2.1.3.2.1.1. The definition please see the below table.

Table 19 –syncSourceTable Row

| Name       | Description            | Status  |
|------------|------------------------|---------|
| SAT1[2]    | SAT1 Source Channel    | Current |
| IRIG-B1[5] | IRIG-B1 Source Channel | Current |
| IRIG-B2[6] | IRIG-B2 Source Channel | Current |
| PTP[7]     | PTP Source Channel     | Current |

Table 20 –syncSourceTable Column

| Name                | Data Type    | Description                     | RW        |
|---------------------|--------------|---------------------------------|-----------|
| syncSourceStatus[3] | OCTET STRING | Source Status:<br>Normal; Alarm | Read-only |

| Name                       | Data Type    | Description                      | RW        |
|----------------------------|--------------|----------------------------------|-----------|
| syncSourceNsatTracked[4]   | Integer32    | Satellite Number:<br>0~255       | Read-only |
| syncSourceAntennaStatus[5] | OCTET STRING | Antenna Status:<br>Normal; Alarm | Read-only |
| syncSourceBump[6]          | OCTET STRING | Bump Status:<br>Normal; Alarm    | Read-only |
| syncSourcePriority[7]      | Integer32    | Source Priority:<br>1~10         | Read-only |

**3.****TIMECLOCK-MIB****3.1. MIB Single Node****3.1.1. timeClockTimeZone**

The OID is 1.3.6.1.4.1.45454.2.1.4.1.1. The definition please see the below table.

Table 21 –timeClockTimeZone

| Data Type    | Description          | RW         | Status  |
|--------------|----------------------|------------|---------|
| OCTET STRING | Time Zone:<br>-12~12 | read-write | Current |

**3.1.2. timeClockUtcDiff**

The OID is 1.3.6.1.4.1.45454.2.1.4.1.2. The definition please see the below table.

Table 22 –timeClockUtcDiff

| Data Type | Description                          | RW         | Status  |
|-----------|--------------------------------------|------------|---------|
| Integer32 | TAI offset with UTC:<br>-32768~32767 | read-write | Current |

**3.1.3. timeClockTAIEnable**

The OID is 1.3.6.1.4.1.45454.2.1.4.1.3. The definition please see the below table.

Table 23 –timeClockTAIEnable

| Data Type | Description                 | RW         | Status  |
|-----------|-----------------------------|------------|---------|
| Integer32 | TAI Enable:<br>0-UTC; 1-TAI | read-write | Current |

**3.1.4. timeClockOutputEnable**

The OID is 1.3.6.1.4.1.45454.2.1.4.1.4. The definition please see the below table.

Table 24 –timeClockOutputEnable

| Data Type | Description                               | RW         | Status  |
|-----------|---|------------|---------|
| Integer32 | Output Control Mode:<br>0-Always; 1-Local | read-write | Current |

**3.1.5. timeClockDaylightReference**

The OID is 1.3.6.1.4.1.45454.2.1.4.1.5. The definition please see the below table.

Table 25 –timeClockDaylightReference

| Data Type | Description                 | RW         | Status  |
|-----------|-----------------------------|------------|---------|
| Integer32 | DST Mode:<br>0-UTC; 1-LOCAL | read-write | Current |

### 3.1.6. timeClockDaylightZone

The OID is 1.3.6.1.4.1.45454.2.1.4.1.6. The definition please see the below table.

Table 26 –timeClockDaylightZone

| Data Type    | Description           | RW         | Status  |
|--------------|-----------------------|------------|---------|
| OCTET STRING | DST Offset:<br>-12~12 | read-write | Current |

### 3.1.7. timeClockDaylightNumber0

The OID is 1.3.6.1.4.1.45454.2.1.4.1.7. The definition please see the below table.

Table 27 –timeClockDaylightNumber0

| Data Type | Description  | RW         | Status  |
|-----------|--|------------|---------|
| Integer32 | DST Start Index:<br>0-1st; 1-2nd; 2-3rd;<br>3-4th; 4-5th; 5-Last | read-write | Current |

### 3.1.8. timeClockDaylightWeekday0

The OID is 1.3.6.1.4.1.45454.2.1.4.1.8. The definition please see the below table.

Table 28 –timeClockDaylightWeekday0

| Data Type | Description  | RW         | Status  |
|-----------|--|------------|---------|
| Integer32 | DST Start Weekday:<br>0-SUN; 1-MON; 2-TUE; 3-WED;<br>4-THU; 5-FRI; 6-SAT | read-write | Current |

### 3.1.9. timeClockDaylightMonth0

The OID is 1.3.6.1.4.1.45454.2.1.4.1.9. The definition please see the below table.

Table 29 –timeClockDaylightWeekday0

| Data Type | Description  | RW         | Status  |
|-----------|--|------------|---------|
| Integer32 | DST Start Month:<br>0-JAN; 1-FEB; 2-MAR; 3-APR; 4-MAY;<br>5-JUN; 6-JUL; 7-AUG; 8-SEP; 9-OCT;<br>10-NOV; 11-DEC | read-write | Current |

### **3.1.10. timeClockDaylightTime0**

The OID is 1.3.6.1.4.1.45454.2.1.4.1.10. The definition please see the below table.

Table 30 –timeClockDaylightTime0

| Data Type    | Description             | RW         | Status  |
|--------------|-------------------------|------------|---------|
| OCTET STRING | DST Start Time:<br>0~24 | read-write | Current |

### **3.1.11. timeClockDaylightNumber1**

The OID is 1.3.6.1.4.1.45454.2.1.4.1.11. The definition please see the below table.

Table 31 –timeClockDaylightNumber1

| Data Type | Description   | RW         | Status  |
|-----------|---|------------|---------|
| Integer32 | DST Stop Index:<br>0-1st; 1-2nd; 2-3rd;<br>3-4th; 4-5th; 5-Last | read-write | Current |

### **3.1.12. timeClockDaylightWeekday1**

The OID is 1.3.6.1.4.1.45454.2.1.4.1.12. The definition please see the below table.

Table 32 –timeClockDaylightWeekday1

| Data Type | Description   | RW         | Status  |
|-----------|---|------------|---------|
| Integer32 | DST Stop Weekday:<br>0-SUN; 1-MON; 2-TUE; 3-WED;<br>4-THU; 5-FRI; 6-SAT | read-write | Current |

### **3.1.13. timeClockDaylightMonth1**

The OID is 1.3.6.1.4.1.45454.2.1.4.1.13. The definition please see the below table.

Table 33 –timeClockDaylightWeekday1

| Data Type | Description   | RW         | Status  |
|-----------|---|------------|---------|
| Integer32 | DST Stop Month:<br>0-JAN; 1-FEB; 2-MAR; 3-APR; 4-MAY;<br>5-JUN; 6-JUL; 7-AUG; 8-SEP; 9-OCT;<br>10-NOV; 11-DEC | read-write | Current |

### **3.1.14. timeClockDaylightTime1**

The OID is 1.3.6.1.4.1.45454.2.1.4.1.14. The definition please see the below table.

Table 34 –timeClockDaylightTime1

| Data Type    | Description    | RW         | Status  |
|--------------|----------------|------------|---------|
| OCTET STRING | DST Stop Time: | read-write | Current |

|  |      |  |  |
|--|------|--|--|
|  | 0~24 |  |  |
|--|------|--|--|

### 3.1.15. timeClockSelectSource

The OID is 1.3.6.1.4.1.45454.2.1.4.2.1. The definition please see the below table.

Table 35 –timeClockSelectSource

| Data Type    | Description   | RW        | Status  |
|--------------|---|-----------|---------|
| OCTET STRING | The Current Time Source:<br>SAT1; IRIG-B1; IRIG-B2;<br>LOCAL; PTP | read-only | Current |

### 3.1.16. timeClockInitialState

The OID is 1.3.6.1.4.1.45454.2.1.4.2.2. The definition please see the below table.

Table 36 –timeClockInitialState

| Data Type    | Description   | RW        | Status  |
|--------------|---|-----------|---------|
| OCTET STRING | Initialization Status:<br>Initialized; Initializing | read-only | Current |

### 3.1.17. timeClockLockState

The OID is 1.3.6.1.4.1.45454.2.1.4.2.3. The definition please see the below table.

Table 37 –timeClockLockState

| Data Type    | Description                                | RW        | Status  |
|--------------|--|-----------|---------|
| OCTET STRING | Oscillator Lock Status:<br>Locked; Locking | read-only | Current |

### 3.1.18. timeClockHoldState

The OID is 1.3.6.1.4.1.45454.2.1.4.2.4. The definition please see the below table.

Table 38 –timeClockHoldState

| Data Type    | Description                     | RW        | Status  |
|--------------|---------------------------------|-----------|---------|
| OCTET STRING | Clock Status:<br>Tracking; Hold | read-only | Current |

### 3.1.19. timeClockVersion

The OID is 1.3.6.1.4.1.45454.2.1.4.2.9. The definition please see the below table.

Table 39 –timeClockVersion

| Data Type    | Description         | RW        | Status  |
|--------------|---------------------|-----------|---------|
| OCTET STRING | Version Information | read-only | Current |

**3.1.20. timeClockLongitude**

The OID is 1.3.6.1.4.1.45454.2.1.4.2.10. The definition please see the below table.

Table 40 –timeClockLongitude

| Data Type    | Description           | RW        | Status  |
|--------------|-----------------------|-----------|---------|
| OCTET STRING | Longitude Information | read-only | Current |

**3.1.21. timeClockLatitude**

The OID is 1.3.6.1.4.1.45454.2.1.4.2.11. The definition please see the below table.

Table 41 –timeClockLatitude

| Data Type    | Description          | RW        | Status  |
|--------------|----------------------|-----------|---------|
| OCTET STRING | Latitude Information | read-only | Current |

**3.1.22. timeClockHeight**

The OID is 1.3.6.1.4.1.45454.2.1.4.2.12. The definition please see the below table.

Table 42 –timeClockHeight

| Data Type    | Description        | RW        | Status  |
|--------------|--------------------|-----------|---------|
| OCTET STRING | Height Information | read-only | Current |

**4.****NTP-MIB****4.1. MIB Single Node****4.1.1. ntpServerEnable**

The OID is 1.3.6.1.4.1.45454.2.1.2.1.1. The definition please see the below table.

Table 43 –ntpServerEnable

| Data Type | Description                                | RW         | Status  |
|-----------|--|------------|---------|
| Integer32 | Enable NTP Service:<br>0-Disable; 1-Enable | read-write | Current |

**4.1.2. ntpUtcOffset**

The OID is 1.3.6.1.4.1.45454.2.1.2.1.2. The definition please see the below table.

Table 44 –ntpUtcOffset

| Data Type    | Description                    | RW         | Status  |
|--------------|--------------------------------|------------|---------|
| OCTET STRING | NTP Offset with UTC:<br>-12~12 | read-write | Current |

**5.****PTP-MIB****5.1. MIB Single Node****5.1.1. ptpGmcMode**

The OID is 1.3.6.1.4.1.45454.2.1.1.1.1. The definition please see the below table.

Table 45 –ptpGmcMode

| Data Type | Description                                      | RW         | Status  |
|-----------|--|------------|---------|
| Integer32 | PTP Clock Mode:<br>1-MASTER; 2-SLAVE; 3-BOUNDARY | read-write | Current |

**5.1.2. ptpDelayMechanism**

The OID is 1.3.6.1.4.1.45454.2.1.1.1.2. The definition please see the below table.

Table 46 –ptpDelayMechanism

| Data Type | Description  | RW         | Status  |
|-----------|--|------------|---------|
| Integer32 | PTP Delay Measurement Mode:<br>1-E2E; 2-P2P; 254-DISABLE | read-write | Current |

**5.1.3. ptpSyncInterval**

The OID is 1.3.6.1.4.1.45454.2.1.1.1.3. The definition please see the below table.

Table 47 –ptpSyncInterval

| Data Type | Description                    | RW         | Status  |
|-----------|--------------------------------|------------|---------|
| Integer32 | Sync Interval:<br>-8~4; 5-STOP | read-write | Current |

**5.1.4. ptpDelayInterval**

The OID is 1.3.6.1.4.1.45454.2.1.1.1.4. The definition please see the below table.

Table 48 –ptpDelayInterval

| Data Type | Description                                 | RW         | Status  |
|-----------|---|------------|---------|
| Integer32 | Delay Measurement Interval:<br>-8~4; 5-STOP | read-write | Current |

**5.1.5. ptpDomain1**

The OID is 1.3.6.1.4.1.45454.2.1.1.1.5. The definition please see the below table.

Table 49 –ptpDomain1

| Data Type | Description       | RW         | Status  |
|-----------|-------------------|------------|---------|
| Integer32 | Domain #1:<br>0~3 | read-write | Current |

### 5.1.6. ptpDomain2

The OID is 1.3.6.1.4.1.45454.2.1.1.1.6. The definition please see the below table.

Table 50 –ptpDomain2

| Data Type | Description       | RW         | Status  |
|-----------|-------------------|------------|---------|
| Integer32 | Domain #2:<br>0~3 | read-write | Current |

### 5.1.7. ptpPriority1

The OID is 1.3.6.1.4.1.45454.2.1.1.1.7. The definition please see the below table.

Table 51 –ptpPriority1

| Data Type | Description             | RW         | Status  |
|-----------|-------------------------|------------|---------|
| Integer32 | PTP Priority1:<br>0~255 | read-write | Current |

### 5.1.8. ptpPriority2

The OID is 1.3.6.1.4.1.45454.2.1.1.1.8. The definition please see the below table.

Table 52 –ptpPriority2

| Data Type | Description             | RW         | Status  |
|-----------|-------------------------|------------|---------|
| Integer32 | PTP Priority2:<br>0~255 | read-write | Current |

### 5.1.9. ptpMediaType

The OID is 1.3.6.1.4.1.45454.2.1.1.1.9. The definition please see the below table.

Table 53 –ptpMediaType

| Data Type | Description                  | RW         | Status  |
|-----------|------------------------------|------------|---------|
| Integer32 | PTP Over:<br>1-IPv4; 3-802.3 | read-write | Current |

### 5.1.10. ptpInBoundLatency

The OID is 1.3.6.1.4.1.45454.2.1.1.1.10. The definition please see the below table.

Table 54 –ptpInBoundLatency

| Data Type | Description             | RW         | Status  |
|-----------|-------------------------|------------|---------|
| Integer32 | PTP Input Compensation: | read-write | Current |

|  |                      |  |  |
|--|----------------------|--|--|
|  | -999999999~999999999 |  |  |
|--|----------------------|--|--|

### 5.1.11. ptpOutBoundLantency

The OID is 1.3.6.1.4.1.45454.2.1.1.1.11. The definition please see the below table.

Table 55 –ptpOutBoundLantency

| Data Type | Description                                      | RW         | Status  |
|-----------|--|------------|---------|
| Integer32 | PTP Output Compensation:<br>-999999999~999999999 | read-write | Current |

### 5.1.12. ptpVlanEnable

The OID is 1.3.6.1.4.1.45454.2.1.1.1.12. The definition please see the below table.

Table 56 –ptpVlanEnable

| Data Type | Description                 | RW         | Status  |
|-----------|-----------------------------|------------|---------|
| Integer32 | Enable VLAN:<br>0-NO; 1-YES | read-write | Current |

### 5.1.13. ptpVlanPriority

The OID is 1.3.6.1.4.1.45454.2.1.1.1.13. The definition please see the below table.

Table 57 –ptpVlanPriority

| Data Type | Description           | RW         | Status  |
|-----------|-----------------------|------------|---------|
| Integer32 | VLAN Priority:<br>0~7 | read-write | Current |

### 5.1.14. ptpVlanCFI

The OID is 1.3.6.1.4.1.45454.2.1.1.1.14. The definition please see the below table.

Table 58 –ptpVlanCFI

| Data Type | Description      | RW         | Status  |
|-----------|------------------|------------|---------|
| Integer32 | VLAN CFI:<br>0~1 | read-write | Current |

### 5.1.15. ptpVlanTag

The OID is 1.3.6.1.4.1.45454.2.1.1.1.15. The definition please see the below table.

Table 59 –ptpVlanTag

| Data Type | Description            | RW         | Status  |
|-----------|------------------------|------------|---------|
| Integer32 | VLAN Tag ID:<br>0~4095 | read-write | Current |

**5.1.16. ptptCoordinate**

The OID is 1.3.6.1.4.1.45454.2.1.1.1.16. The definition please see the below table.

Table 60 –ptptCoordinate

| Data Type | Description                       | RW         | Status  |
|-----------|-----------------------------------|------------|---------|
| Integer32 | Enable Master BMC:<br>0-NO; 1-YES | read-write | Current |

**6.****OUTPUT-MIB****6.1. MIB Single Node****6.1.1. outputIRIGBAccp**

The OID is 1.3.6.1.4.1.45454.2.1.5.1.2. The definition please see the below table.

Table 61 –outputIRIGBAccp

| Data Type    | Description                   | RW         | Status  |
|--------------|-------------------------------|------------|---------|
| OCTET STRING | IRIG-B Modulated P-P:<br>3~12 | read-write | Current |

**6.1.2. outputIRIGBRatio**

The OID is 1.3.6.1.4.1.45454.2.1.5.1.3. The definition please see the below table.

Table 62 –outputIRIGBRatio

| Data Type    | Description                    | RW         | Status  |
|--------------|--------------------------------|------------|---------|
| OCTET STRING | IRIG-B Modulated Ratio:<br>3~6 | read-write | Current |

**6.1.3. outputSerialBaudrate**

The OID is 1.3.6.1.4.1.45454.2.1.5.1.4. The definition please see the below table.

Table 63 –outputSerialBaudrate

| Data Type | Description   | RW         | Status  |
|-----------|---|------------|---------|
| Integer32 | Serial Baudrate:<br>0-300; 1-600; 2-1200; 3-2400;<br>4-4800; 5-9600; 6-19200; 7-38400;<br>8-76800; 9-115200 | read-write | Current |

**6.1.4. outputSerialPPSOutput**

The OID is 1.3.6.1.4.1.45454.2.1.5.1.5. The definition please see the below table.

Table 64 –outputSerialPPSOutput

| Data Type | Description  | RW         | Status  |
|-----------|--|------------|---------|
| Integer32 | SO-PPS Output Type:<br>0-PPS; 1-IRIG; 3-PPM; 4-PPH | read-write | Current |

### 6.1.5. outputSerialTxDOOutput

The OID is 1.3.6.1.4.1.45454.2.1.5.1.6. The definition please see the below table.

Table 65 –outputSerialTxDOOutput

| Data Type | Description                  | RW         | Status  |
|-----------|------------------------------|------------|---------|
| Integer32 | SO-TXD Output Type:<br>8-TOD | read-write | Current |

### 6.1.6. outputSerialMsgType

The OID is 1.3.6.1.4.1.45454.2.1.5.1.7. The definition please see the below table.

Table 66 –outputSerialMsgType

| Data Type | Description   | RW         | Status  |
|-----------|---|------------|---------|
| Integer32 | Serial Message Type:<br>0-NMEA-RMC; 1-NMEA-ZDA;<br>2-CM-TOD; 3-DL/T1100; 4-CMMB | read-write | Current |

## 6.2. MIB Table Node

### 6.2.1. outputTable

The OID is 1.3.6.1.4.1.45454.2.1.5.1.1.1. The definition please see the below table.

Table 67 –outputTable Row

| Name  | Description                    | Status  |
|-------|--------------------------------|---------|
| SO[1] | Programmable Serial Channel    | Current |
| O1[2] | Programmable Output #1 Channel | Current |
| O2[3] | Programmable Output #2 Channel | Current |
| O3[4] | Programmable Output #3 Channel | Current |
| O4[5] | Programmable Output #4 Channel | Current |
| O5[6] | Programmable Output #5 Channel | Current |

Table 68 –outputTable Column

| Name                 | Data Type | Description                                   | RW         |
|----------------------|-----------|---|------------|
| outputSignal[3]      | Integer32 | Output Signal:<br>0-PPS; 1-IRIG; 3-PPM; 4-PPH | read-write |
| outputShift[4]       | Integer32 | PPS Compensation:<br>-250000000~250000000     | read-write |
| outputSecOffset[5]   | Integer32 | Second Compensation:<br>-999999999~999999999  | read-write |
| outputOutTimeType[6] | Integer32 | Time Format:                                  | read-write |

|                   |           |                                      |            |
|-------------------|-----------|--------------------------------------|------------|
|                   |           | 0-UTC; 1-TAI; 2-LOCAL                |            |
| outputParity[7]   | Integer32 | Parity Mode:<br>0-Odd; 1-Even        | read-write |
| outputPolarity[8] | Integer32 | Polarity Mode:<br>0-Normal; 1-Invert | read-write |

**7.****NETWORK-MIB****7.1. MIB Table Node****7.1.1. networkTable**

The OID is 1.3.6.1.4.1.45454.2.1.6.1.1.1. The definition please see the below table.

Table 69 –networkTable Row

| Name    | Description  | Status  |
|---------|--------------|---------|
| Eth0[1] | Eth0 Network | Current |
| Eth1[2] | Eth1 Network | Current |

Table 70 –networkTable Column

| Name                  | Data Type | Description   | RW         |
|-----------------------|-----------|---|------------|
| networkIpAddress[3]   | IPADDRESS | IP Address  | read-write |
| networkMaskAddress[4] | IPADDRESS | IP Mask Address   | read-write |
| networkMode[5]        | Integer32 | Mode:<br>0-Auto;<br>1-100M-FX FDX;<br>2-100M-FX HDX;<br>4-1000M-X FDX;<br>5-1000M-X HDX | read-write |

**7.1.2. networkexpTable**

The OID is 1.3.6.1.4.1.45454.2.1.6.1.2.1. The definition please see the below table.

Table 71 –networkexpTable Row

| Name    | Description  | Status  |
|---------|--------------|---------|
| Eth2[1] | Eth0 Network | Current |
| Eth3[2] | Eth1 Network | Current |

Table 72 –networkexpTable Column

| Name                     | Data Type | Description     | RW         |
|--------------------------|-----------|-----------------|------------|
| networkExpIpAddress[3]   | IPADDRESS | IP Address      | read-write |
| networkExpMaskAddress[4] | IPADDRESS | IP Mask Address | read-write |

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