

INTERNATIONAL ELECTROTECHNICAL COMMISSION
COMMISSION ÉLECTROTECHNIQUE INTERNATIONALE

IEC 62439-7
Edition 1.0 2011-12

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**INDUSTRIAL COMMUNICATION NETWORKS –
HIGH AVAILABILITY AUTOMATION NETWORKS –
Part 7: Ring-based Redundancy Protocol (RRP)**

**RESEAUX DE COMMUNICATION INDUSTRIELS –
RESEAUX DE HAUTE DISPONIBILITE POUR
L'AUTOMATION – Partie 7: Protocole de
redondance pour réseau en anneau (RRP)**

CORRIGENDUM 1

Corrections to the French version appear after the English text.

Les corrections à la version française sont données après le texte anglais.

10 RRP Management Information Base (MIB)

Replace the existing text in Clause 10 with the following text (note that only sections highlighted in yellow have actually been changed):

```
-- *****
IEC-62439-7-MIB DEFINITIONS ::= BEGIN

-- *****
-- Imports
-- *****

IMPORTS
    OBJECT-IDENTITY,
    OBJECT-TYPE,
    TimeTicks,
    Counter32,
    Unsigned32,
    Counter64,
    VISIBLE-STRING,
    INTEGER                FROM SNMPv2-SMI
    Boolean                FROM HOST-RESOURCES-MIB
    MacAddress             FROM BRIDGE-MIB
    iso                    FROM RFC1155-SMI;

-- *****
-- Declaration of TIMEOFDAY
-- *****
TIMEOFDAY ::= TEXTUAL-CONVENTION
    STATUS         current
    DESCRIPTION "
        The IEC 61158-5-21 defines the structure of
        the TIMEOFDAY as a data type numeric
        identifier 12.
    "
    SYNTAX         VISIBLE STRING (SIZE (6))

-- *****
```

```
-- Root OID
-- *****
iec62439  MODULE-IDENTITY
    LAST-UPDATED "201306110000Z" -- June 11, 2013
    ORGANIZATION "IEC/SC 65C"
    CONTACT-INFO "
        International Electrotechnical Commission
        IEC Central Office
        3, rue de Varembe
        P.O. Box 131
        CH - 1211 GENEVA 20
        Switzerland
        Phone: +41 22 919 02 11
        Fax: +41 22 919 03 00
        email: info@iec.ch
    "
    DESCRIPTION "
        This MIB module defines the Network Management interfaces
        for the Redundancy Protocols defined by the IEC
        standard 62439.
    "

    REVISION "201306110000Z" -- June 11, 2013
    DESCRIPTION "
        Consistency adjustment with other parts of IEC 62439
    "

    REVISION "200811100000Z" -- November 10, 2008
    DESCRIPTION "
        Seperation of IEC 62439 into a suite of documents.
        This MIB applies to IEC 62439-7, added RRP functionality.
    "

    REVISION "200708240000Z" -- August 24, 2007
    DESCRIPTION "
        Initial version of the Network Management interface for the
        Ring-based Redundancy Protocol
    "

    ::= { IEC 62439 }

-- *****
-- Redundancy Protocols
-- *****
mrp      OBJECT IDENTIFIER ::= { iec62439 1 }
prp      OBJECT IDENTIFIER ::= { iec62439 2 }
crp      OBJECT IDENTIFIER ::= { iec62439 3 }
brp      OBJECT IDENTIFIER ::= { iec62439 4 }
drp      OBJECT IDENTIFIER ::= { iec62439 5 }
rrp      OBJECT IDENTIFIER ::= { iec62439 6 }

-- *****
-- Objects of the RRP Network Management
-- *****

ServiceID  OBJECT-TYPE
    SYNTAX      Unsigned32
    MAX-ACCESS  read-write
    STATUS      mandatory
    DESCRIPTION "
        specifies information sufficient for local
        identification of the RRP device that will
        convey the service
    "
    ::= { rrp 1 }

InvokeID   OBJECT-TYPE
    SYNTAX      Unsigned32
    MAX-ACCESS  read-write
    STATUS      mandatory
    DESCRIPTION "
        specifies the invocation of the service
    "
    ::= { rrp 2 }

DeviceAddress  OBJECT-TYPE
    SYNTAX      INTEGER
```