

## Clarification Request

**References:** TP12 BTL specified tests 9.10.1.X3 and 135.1-2009i-6 - 8.20.Y1.2

**Date of BTL-WG Response:** May 23, 2013

### Background:

**8.20.Y1.2 Fallback to ReadProperty on Reject - UNRECOGNIZED\_SERVICE Response**  
BACnet Reference Clauses: 15.5 and 15.7

**Purpose: Verifies the IUT's ability to automatically change its service choice from ReadPropertyMultiple to**

ReadProperty when the TD returns a Reject-PDU and a Reject Reason of UNRECOGNIZED\_SERVICE.

Test Concept: The IUT is configured to send the TD a ReadPropertyMultiple request to access **one or more properties of a single object**. The TD responds with a Reject-PDU and a Reject Reason of UNRECOGNIZED\_SERVICE. With no additional configuration, the IUT sends one or more ReadProperty requests to the TD, where each ReadProperty request specifies an individual property from the original ReadPropertyMultiple request. Configuration Requirements: The TD is configured so that it does not support the ReadPropertyMultiple service. The IUT is configured such that it attempts to acquire values from the TD using the ReadPropertyMultiple service without first interrogating the TD's Protocol\_Services\_Supported property. If the IUT cannot be configured in this way then this test shall be omitted.

### Test Steps:

1. RECEIVE ReadPropertyMultiple-Request,  
'Object Identifier' = (object identifier of the specified object),  
'List of Property References' = (**one or more properties of the specified object**)
2. TRANSMIT BACnet-Reject-PDU,  
'Reject Reason' = UNRECOGNIZED\_SERVICE
3. REPEAT X = (the properties from Step 1) DO {  
  RECEIVE ReadProperty-Request,  
  'Object Identifier' = (object identifier referenced by X),  
  'Property Identifier' = (property identifier referenced by X)  
  TRANSMIT ReadProperty-Ack,  
  'Object Identifier' = (object identifier referenced by X),  
  'Property Identifier' = (property identifier referenced by X),  
  'Property Value' = (any valid value)  
}

### Problem:

**the fallback test requires the IUT the initiate a RPM request with one or more properties of the same object. This test is required in the testplan so it can not easily be skipped. But an IUT may not but able to do that kind of RPM request. It would be able to issue a RPM on the same property of different objects though.**

### Question:

Should the test be changed to allow the IUT to issue a RPM an properties of several objects?

**Response:**

**"Yes. The ReadPropertyMultiple request can include properties from different objects. The test will be modified."**