**Edge / Enterprise teleconference call – Wednesday Dec 22 2010**

**Attendees**

Art Anderson (PG&E)

Clint Powell (SCE)

Bruce Muschlitz (Enernex)

John Nunneley (Gridata)

John Simmins (EPRI)

Mark Ortiz (Consumers Energy)

Sandy Bacik (Enernex)

Kay Stefferud (Enernex)

John Lin (Wireless Glue)

Rish Ghatikar (LBNL)

Meeting starts at 18:00 GMT

Abstract Test cases: Phil presents updated Test scenarios from last week’s meeting (appended to these minutes). Bruce describes meter outage test scenario.

There was discussion around work management and how it would fit into diagram.

Phil presents ADR scenario. Rish comments that there is new terminology for OpenADR; OpenADRServer is synonymous with virtual top node (VTN), OpenADRClient and virtual end node (VEN). Aggregator would be a client / server and support both roles.

Discussion around what happens as a result of layer interfaces when one or more components in system is changed or updated (e.g. iv4 to ipv6). Model is good as it can fit multiple component/protocol layers. However, we need metadata to help identify any implications of changing components of IUT or system environment. Need to describe properties and versions of each part of both test harness and IUT. The examples need more information describing this, with a suitably detailed paragraph for each block.

Discussion ensued that these examples should be part of the CPRM. Phil suggests submitting a comment against CPRM, then we can include if no objection.

We should also create a HAN example. Clint volunteered himself and Phil. Mark will have a go at an ADE scenario – we will then contact Steve Van Ausdell for his comments/review.

Date of next meeting – first Wednesday of New Year.

Meeting closed at 19:00 GMT to the strains of upbeat “on-hold” music

**Example Test Scenarios / Test Cases developed during Joint Edge/Enterprise Conformity Session at Fort Lauderdale, November 2010**

**1) Meter Outage - Test Scenario**

Lower Tester

(Meters Simulator)

Simulates required number of meters

X-Service-Providers

(AMI Network)

IUT

(one or more of OMS

MDMS with mandatory

Head End)

X-ASPs (Meter Last Gasp)

Y-ASPs (x Lateral Outage

Service Interface)

Outage Lo

Validate

(P)-PDUs EndDeviceEvent

Lower Tester

Control Function

**EndDeviceEvent - Abstract Test Cases**

|  |  |
| --- | --- |
| **Test case** | **Test case description** |
| EndDeviceEvent1 | Lateral Outage - Emulate 100 meters powering down simultaneously |
| EndDeviceEvent2 | Head end correctly reports Last Gasp |

**EndDeviceEvent - Detail Test Cases**

|  |  |  |
| --- | --- | --- |
| Test reference  EndDeviceEvent1 | Test purpose  Lateral Outage | 🞎 Passed  🞎 Failed  🞎 Inconclusive |
| Ref. Part Clause and Subclause  IEC61968-9 EndDeviceEvent | | |
| Expected result  OMS reports lateral outage of 100 meters | | |
| Test description  Starting condition: system is operating normally with no outages.  Emulate 100 meters powering down simultaneously | | |
| Comment | | |

|  |  |  |
| --- | --- | --- |
| Test reference  EndDeviceEvent2 | Test purpose  Head end correctly reports Last Gasp | 🞎 Passed  🞎 Failed  🞎 Inconclusive |
| Ref. Part Clause and Subclause  IEC61968-9 EndDeviceEvent (3.26.1.185) | | |
| Expected result  Head end recognizes single outage | | |
| Test description  Starting condition: meter is normally.  Lower Tester emulates single last gasp. | | |
| Comment | | |

**2) LoadShedEvent - Test Scenario**

LT1 (OpenADR Server)

PCO (Q)

X-Service-Provider

(Internet)

IUT

(EMS Gateway / OpenADRClient)

X-ASP (DR Event Shed Event/ACK)

(P)-PDUs DR Event/ACK

Lower Tester

Control Function (Test Script)

Upper Tester

(Only if applicable)

**LoadShedEvent – Abstract Test Cases**

|  |  |
| --- | --- |
| **Test case** | **Test case description** |
| LoadShedEvent1 |  |

**LoadShedEvent – Detail Test Cases**

|  |  |  |
| --- | --- | --- |
| Test reference  Load Shed Event | Test purpose  Load Shed | 🞎 Passed  🞎 Failed  🞎 Inconclusive |
| Ref. Part Clause and Subclause  OpenADR – Load Shed | | |
| Expected result  OpenADR Client implementation in EMS Gateway correctly acknowledges receipt of load shed message | | |
| Test description  Starting conditions: normal operation  OpenADR server issues Load Shed request | | |
| Comment | | |