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| **Title\*:** | Test purpose examples targeting missing optional information | | |
|  | 06 February 2015 | | |
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| input for **Committee**\***:** | MTS | | |
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| Contribution **For\*:** | Decision |  |  |
|  | Discussion |  |  |
|  | Information | **X** |  |
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| Submission date**\***: | 2015-02-06 | | |
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| Meeting & Allocation: | [**MTS-TDL\_meeting**](http://webapp.etsi.org/MeetingCalendar/MeetingDetails.asp?mid=16052) **on 09th February 2015** | | |
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Please find below a few selected examples from different areas, where already the test purpose specifies omitting certain information form the communication with the SUT.

Please note that even in the cases, when the test purpose doesn’t requires this specifically, due to the interface specification itself it may be needed to explicitly specify that some information shall not be present in the information exchange between the tester and the SUT.

# 3GPP

## 3GPP TS 34.229-1 V12.4.1 (2014-12)

### 15.5.5 Test requirements

1. SS shall check that the UE can authenticate itself correctly with the authentication scheme it supports:

- HTTP Digest authentication (see Annex C.29.1 step 2 NOTE 1).

- GAA based authentication as specified in TS 33.222 [121] and TS 24.109 [119] (see Annex C.29.2).

2. SS shall check that after Annex C.29.1 step 6 the simservs document stored in the SS contains the following pieces of information supplied by the UE:

- <communication-diversion> element with "active" attribute set as "true"

- within <cp:ruleset> one <cp:rule> element for communication forwarding as follows:

- <cp:conditions> element missing or empty as forwarding is supposed to be unconditional and not containing a <rule-deactivated> element

- <cp:actions> element containing <forward-to> element containing <target> element

- value of target address to be px\_XCAP\_TargetUri

3. SS shall check that after step 9 the simservs document stored in the SS contains the following pieces of information supplied by the UE:

- <communication-diversion> element with "active" attribute being set "false"

or

- <communication-diversion> element with "active" attribute set as "true"

- within <cp:ruleset> one <cp:rule> element found at step 2 for communication forwarding as follows:

- <cp:conditions> element containing a <rule-deactivated> element

### 15.7.5 Test requirements

1. SS shall check that the UE can authenticate itself correctly with the authentication scheme that the UE supports:

- HTTP Digest authentication

- GAA based authentication as specified in TS 33.222 [121] and TS 24.109 [119] (see Annex C.29.2).

2. SS shall check that after Annex C.29.1 step 6 the simservs document stored in the SS contains the following pieces of information supplied by the UE:

- <communication-diversion> element with "active" attribute set as "true"

- within <cp:ruleset> one <cp:rule> element for communication forwarding as follows:

- <cp:conditions> element containing a <no-answer> element and not containing a <rule-deactivated> element

- <cp:actions> element containing <forward-to> element containing <target> element. Additionally <NoReplyTimer> element shall be included, if the UE supports no reply timer setting.

- value of target address to be px\_XCAP\_TargetUri

- value of NoReplyTimer (if included) to be 10 seconds

3. SS shall check that after step 9 the simservs document stored in the SS contains the following pieces of information supplied by the UE:

- <communication-diversion> element with "active" attribute being set "false"

or

- <communication-diversion> element with "active" attribute set as "true"

- within <cp:ruleset> one <cp:rule> element found at step 2 for communication forwarding as follows:

- <cp:conditions> element containing a <rule-deactivated> element

### 15.9.5 Test requirements

1. SS shall check that the UE can authenticate itself correctly with the authentication scheme that the UE supports:

- HTTP Digest authentication (see Annex C.29.1 step 2 NOTE 1).

- GAA based authentication as specified in TS 33.222 [121] and TS 24.109 [119] (see Annex C.29.2).

2. SS shall check that after Annex C.29.1 step 6 the simservs document stored in the SS contains the following pieces of information supplied by the UE:

- <communication-diversion> element with "active" attribute set as "true"

- within <cp:ruleset> one <cp:rule> element for communication forwarding as follows:

- <cp:conditions> element containing a <busy> element and not containing a <rule-deactivated>

- <cp:actions> element containing <forward-to> element containing <target> element

- value of target address to be px\_XCAP\_TargetUri

3. SS shall check that after step 9 the simservs document stored in the SS contains the following pieces of information supplied by the UE:

- <communication-diversion> element with "active" attribute being set "false"

or

- <communication-diversion> element with "active" attribute set as "true"

- within <cp:ruleset> one <cp:rule> element found at step 2 for communication forwarding as follows:

- <cp:conditions> element containing a <rule-deactivated> element

### 15.10a.5 Test requirements

1. SS shall check that the UE can authenticate itself correctly with the authentication scheme that the UE supports:

- HTTP Digest authentication (see Annex C.29.1 step 2 NOTE 1).

- GAA based authentication as specified in TS 33.222 [121] and TS 24.109 [119] (see Annex C.29.2).

2. SS shall check that after Annex C.29.1 step 6 the simservs document stored in the SS contains the following pieces of information supplied by the UE:

- <communication-diversion> element with "active" attribute set as "true"

- within <cp:ruleset> one <cp:rule> element for communication forwarding as follows:

- <cp:conditions> element containing a <not-reachable> element and not containing a <rule-deactivated> element

- <cp:actions> element containing <forward-to> element containing <target> element

- value of target address to be px\_XCAP\_TargetUri

3. SS shall check that after step 9 the simservs document stored in the SS contains the following pieces of information supplied by the UE:

- <communication-diversion> element with "active" attribute being set "false".

Or

- <communication-diversion> element with "active" attribute set as "true"

- within <cp:ruleset> one <cp:rule> element found at step 2 and step2a for communication forwarding as follows:

- <cp:conditions> element containing a <rule-deactivated> element

… and so on in several other test purposes.

# ITS

## ETSI TS 102 859-2 V1.2.1 (2014-04)

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| **TP Id** | TP/IPv6GEO/MR/GVL/BV/02 |
| **Test objective** | Checks handling of a received GeoBroadcast message containing an IPv6 packet not carrying a Router Advertisement, which has destination area not corresponding to any existing GVL of the IUT |
| **Reference** | EN 302 636-6-1 [1], clause 8.2.2 |
| **PICS Selection** | PICS\_SGVL and PICS\_DGVL |
| **Initial conditions** | |
| with {  the IUT having configured SGVLs (SGVL1 .. SGVLx)  the IUT having configured DGVL (DGVL1) } | |
| **Expected behaviour** | |
| ensure that {  when {  the IUT receives a GeoBroadcast message  containing Destination Area parameters not corresponding to any GVLs  containing payload  containing an IPv6 packet  not containing an ICMPv6 RA message  }  then {  the IUT transmits on the virtual interface associated to DGVL1 an Ethernet packet  containing Destination MAC address  indicating the broadcast value  containing Source MAC address  indicating a value derived from Source GN\_ADDR field  containing Ether Type value  indicating IPv6  containing the IPv6 packet  } } | |

## ETSI TS 102 869-2 V1.2.1 (2013-08)

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| **TP Id** | **TP/DEN/EVTR/BV-04** |
| **Test objective** | Check that situation container and location container are not present in cancellation DENM |
| **Reference** | EN 302 637-3 [1], clause 7.1 |
| **PICS Selection** |  |
| **Initial conditions** | |
| with {  the IUT being in the "initial state"  and the IUT having generated an event  containing management container  containing actionID  indicating ACTION\_ID1  } | |
| **Expected behaviour** | |
| ensure that {  when {   the IUT receives an *App*DENM*\_termination* request associated to ACTION\_ID1 from the application layer  }  then {  the IUT sends a valid DENM  containing management container  containing actionID  indicating ACTION\_ID1  and containing isCancellation  indicating value TRUE  and not containing situation container  and not containing location container  } } | |

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| **TP Id** | **TP/DEN/EVTR/BV-05** |
| **Test objective** | Check that situation container and location container are not present in negation DENM |
| **Reference** | EN 302 637-3 [1], clause 7.1 |
| **PICS Selection** |  |
| **Initial conditions** | |
| with {  the IUT being in the "initial state"  and the IUT having received an event  containing management container  containing actionID  indicating ACTION\_ID1  containing originatorStationID  indicating stationID different from its own stationID  } | |
| **Expected behaviour** | |
| ensure that {  when {   the IUT receives an *App*DENM*\_termination* request associated to ACTION\_ID1 from the application layer  }  then {  the IUT sends a valid DENM  containing management container  containing actionID  indicating ACTION\_ID1   and containing isNegation  indicating value TRUE  and not containing situation container  and not containing location container  } } | |

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| **TP Id** | **TP/DEN/EVRP/BV-06** |
| **Test objective** | Check that DEN Basic Service does not repeat transmission of DENM if repetitionDuration is not provided by application |
| **Reference** | EN 302 637-3 [1], clause 6.1.2.3 |
| **PICS Selection** |  |
| **Initial conditions** | |
| with {  the IUT being in the "initial state"  and the IUT having received an *App*DENM*\_trigger* request from application layer  not containing repetitionDuration  and the IUT having generated an event  containing management container  containing actionID  indicating ACTION\_ID1  and containing validityDuration  indicating DURATION\_1  and containing transmissionInterval  indicating INTERVAL\_1 } | |
| **Expected behaviour** | |
| ensure that {  when {   the IUT has detected that repetitionDuration is not provided for the event associated with ACTION\_ID1  }  then {  the IUT does not repeat the transmission of the valid DENM associated with ACTION\_ID1  } } | |

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| **TP Id** | **TP/DEN/EVRP/BV-07** |
| **Test objective** | Check that DEN Basic Service does not repeat transmission of DENM if *detectionTime* is not provided by application |
| **Reference** | EN 302 637-3 [1], clause 6.1.2.3 |
| **PICS Selection** |  |
| **Initial conditions** | |
| with {  the IUT being in the "initial state"  and the IUT having received an *App*DENM*\_trigger* request from application layer  not containing *detectionTime*  and the IUT having generated an event  containing management container  containing actionID  indicating ACTION\_ID1  and containing validityDuration  indicating DURATION\_1  and containing transmissionInterval  indicating INTERVAL\_1 } | |
| **Expected behaviour** | |
| ensure that {  when {   the IUT has detected that *detectionTime* is not provided for the event associated with ACTION\_ID1  }  then {  the IUT does not repeat the transmission of the valid DENM associated with ACTION\_ID1  } } | |