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**Open Service Access (OSA);
Application Programming Interface (API);
Test Suite Structure and Test Purposes (TSS&TP);
Part 6: Mobility SCF
(Parlay 3)**

Reference

RES/TISPAN-06005-06-OSA

Keywords

API, OSA, TSS&TP

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Foreword

This ETSI Standard (ES) has been produced by ETSI Technical Committee Telecommunications and Internet converged Services and Protocols for Advanced Networking (TISPAN), and is now submitted for the ETSI standards Membership Approval Procedure.

The present document is part 6 of a multi-part deliverable covering Open Service Access (OSA); Application Programming Interface (API); Test Suite Structure and Test Purposes (TSS&TP) for Parlay 3, as identified below:

Part 1:	"Overview";

Part 2:	"Common data definitions";

Part 3:	"Framework";

Part 4:	"Call control SCF";

Part 5:	"User interaction SCF";

**Part 6:	"Mobility SCF";**

Part 7:	"Terminal capabilities SCF";

Part 8:	"Data session control SCF";

Part 9:	"Generic messaging SCF";

Part 10:	"Connectivity manager SCF";

Part 11:	"Account management SCF";

Part 12:	"Charging SCF".

To evaluate conformance of a particular implementation, it is necessary to have a set of test purposes to evaluate the dynamic behaviour of the Implementation Under Test (IUT). The specification containing those test purposes is called a Test Suite Structure and Test Purposes (TSS&TP) specification.

1 Scope

The present document provides the Test Suite Structure and Test Purposes (TSS&TP) specification for the Mobility SCF of the Application Programming Interface (API) for Open Service Access (OSA) defined in ES 201 915-6 [1] in compliance with the relevant requirements, and in accordance with the relevant guidance given in ISO/IEC 9646-2 [4] and ETS 300 406 [5].

2 References

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

- References are either specific (identified by date of publication and/or edition number or version number) or non-specific.

- For a specific reference, subsequent revisions do not apply.

- For a non-specific reference, the latest version applies.

Referenced documents which are not found to be publicly available in the expected location might be found at http://docbox.etsi.org/Reference.

[1]   ETSI ES 201 915-6: "Open Service Access (OSA); Application Programming Interface (API); Part 6: Mobility SCF (Parlay 3)".

[2]   ETSI ES 202 170: "Open Service Access (OSA); Application Programming Interface (API); Implementation Conformance Statement (ICS) proforma specification (Parlay 3)".

[3]   ISO/IEC 9646-1: "Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 1: General concepts".

[4]   ISO/IEC 9646-2: "Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 2: Abstract Test Suite specification".

[5]   ETSI ETS 300 406: "Methods for testing and Specification (MTS); Protocol and profile conformance testing specifications; Standardization methodology".

3 Definitions and abbreviations

3.1 Definitions

For the purposes of the present document, the terms and definitions given in ES 201 915-6 [1], ISO/IEC 9646-1 [3], ISO/IEC 9646-2 [4] and the following apply:

abstract test case: Refer to ISO/IEC 9646-1 [3].

Abstract Test Method (ATM): Refer to ISO/IEC 9646-1 [3].

Abstract Test Suite (ATS): Refer to ISO/IEC 9646-1 [3].

ICS proforma: Refer to ISO/IEC 9646-1 [3].

Implementation Conformance Statement (ICS): Refer to ISO/IEC 9646-1 [3].

Implementation eXtra Information for Testing (IXIT): Refer to ISO/IEC 9646-1 [3].

Implementation Under Test (IUT): Refer to ISO/IEC 9646-1 [3].

IXIT proforma: Refer to ISO/IEC 9646-1 [3].

Lower Tester (LT): Refer to ISO/IEC 9646-1 [3].

Test Purpose (TP): Refer to ISO/IEC 9646-1 [3].

3.2   Abbreviations

For the purposes of the present document, the following abbreviations apply:

API	Application Programming Interface
ATM	Abstract Test Method
ATS	Abstract Test Suite
ICS	Implementation Conformance Statement
IUT	Implementation Under Test
IXIT	Implementation eXtra Information for Testing
LT	Lower Tester
M	Mobility
OSA	Open Service Access
TP	Test Purpose
TSS	Test Suite Structure
ULC	User Location Camel
ULE	User Location Emergency
US	User Status

4   Test Suite Structure (TSS)

Mobility (M):

- User Location:

    - IpUserLocation interface (UL) (01);

    - IpTrigerredUserLocation interface (TUL) (02).

- User Location Camel (ULC) (03).

- User Location Emergency (ULE) (04).

- User Status (US) (05).

5   Test Purposes (TP)

5.1   Introduction

For each test requirement a TP is defined.

5.1.1   TP naming convention

TPs are numbered, starting at 01, within each group. Groups are organized according to the TSS. Additional references are added to identify the actual test suite (see table 1).

Table 1: TP identifier naming convention scheme

Identifier: <suite_id>_<group>_<nnn>
<suite_id>   = SCG name: "M" for **M**obility part of Mobility SCF   <group>   = group number: two character field representing the group reference according to TSS   <nn>   = sequential number: (01 to 99)

5.1.2   Source of TP definition

The TPs are based on ES 201 915-6 [1].

5.1.3   Test strategy

As the base standard ES 201 915-6 [1] contains no explicit requirements for testing, the TPs were generated as a result of an analysis of the base standard and the PICS specification ES 202 170 [2].

The TPs are only based on conformance requirements related to the externally observable behaviour of the IUT and are limited to conceivable situations to which a real implementation is likely to be faced (see ETS 300 406 [5]).

5.2   TPs for the Mobility SCF

All PICS items referred to in this clause are as specified in ES 202 170 [2] unless indicated otherwise by another numbered reference.

All parameters specified in method calls are valid unless specified.

The procedures to trigger the SCF to call methods in the application are dependant on the underlying network architecture and are out of the scope of this test specification. Those method calls are preceded by the words "Triggered action".

5.2.1   User Location

5.2.1.1   IpUserLocation interface

Test M_UL_01

Summary: all methods, successful

Reference: ES 201 915-6 [1], clause 8.1

Selection: locationReportReq method supported - PICS item: [2] UL1

Preamble: Registration of the IUT (User Location SCF) and the tester (application) to the framework. The tester must have obtained a reference to an instance of the IpUserLocation interface through selecting that service and signing the required service agreement.

Test Sequence:

1. Method call **locationReportReq()**
   Parameters: appLocation, users
   Check: valid value of TpSessionID is returned

2. Triggered action: cause IUT to call **locationReportRes()** method on the tester's (Application) **IpAppUserLocation** interface.
   Parameters: assignmentId, locations

Test M_UL_02

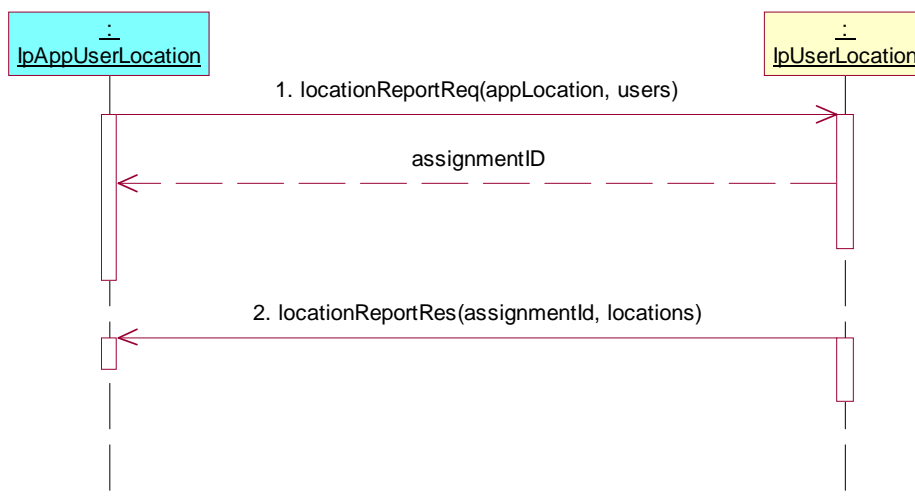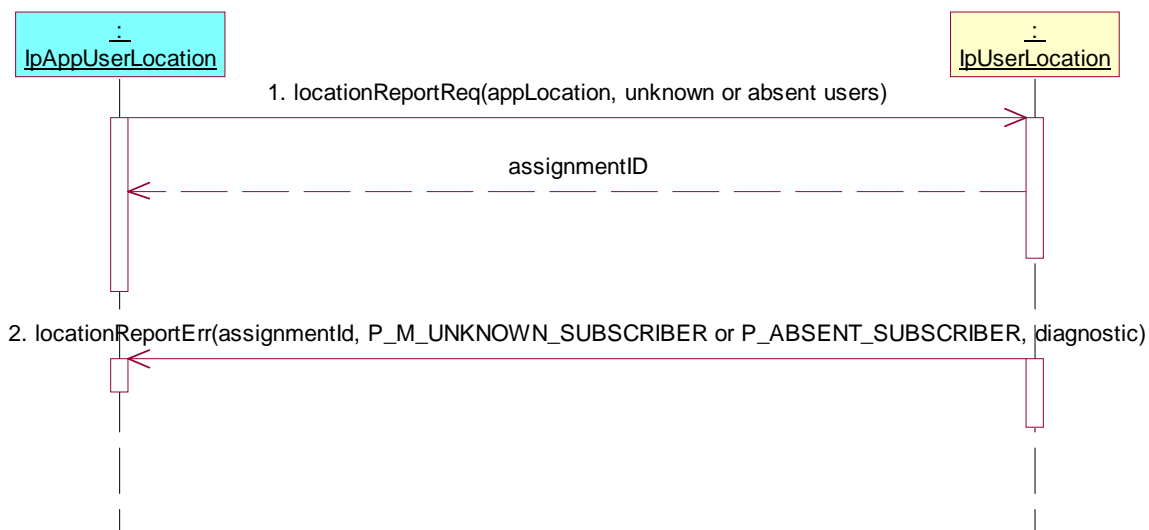|	
Summary:	locationReportReq, locationReportErr

Reference: ES 201 915-6 [1], clause 8.1

Selection: locationReportReq method supported - PICS item: [2] UL1

Preamble: Registration of the IUT (User Location SCF) and the tester (application) to the framework. The tester must have obtained a reference to an instance of the IpUserLocation interface through selecting that service and signing the required service agreement.

Test Sequence:

1. Method call **locationReportReq()**
    Parameters: appLocation, users with unknown or absent subscriber
    Check: valid value of TpSessionID is returned

2. Triggered action: cause IUT to call **locationReportErr()** method on the tester's (Application) **IpAppUserLocation** interface.
    Parameters: assignmentId, cause indicating P_M_UNKNOWN_SUBSCRIBER or
                      P_ABSENT_SUBSCRIBER, diagnostic

Test M_UL_03

Summary: all methods, successful

Reference: ES 201 915-6 [1], clause 8.1

Selection: extendedLocationReportReq method supported - PICS item: [2] UL2

Preamble: Registration of the IUT (User Location SCF) and the tester (application) to the framework. The tester must have obtained a reference to an instance of the IpUserLocation interface through selecting that service and signing the required service agreement.

Test Sequence:

1.   Method call **extendedLocationReportReq()**
     Parameters: appLocation, users, request
     Check: valid value of TpSessionID is returned

2.   Triggered action: cause IUT to call **extendedLocationReportRes()** method on the tester's (Application) **IpAppUserLocation** interface.
     Parameters: assignmentId, locations

Test M_UL_04

Summary: extendedLocationReportReq, extendedLocationReportErr

Reference: ES 201 915-6 [1], clause 8.1

Selection: extendedLocationReportReq method supported - PICS item: [2] UL2

Preamble: Registration of the IUT (User Location SCF) and the tester (application) to the framework. The tester must have obtained a reference to an instance of the IpUserLocation interface through selecting that service and signing the required service agreement.

Test Sequence:

1. Method call **extendedLocationReportReq()**
    Parameters: appLocation, users with unknown or absent subscriber, request
    Check: valid value of TpSessionID is returned

2. Triggered action: cause IUT to call **extendedLocationReportErr()** method on the tester's (Application) **IpAppUserLocation** interface.
    Parameters: assignmentId, cause indicating P_M_UNKNOWN_SUBSCRIBER or P_ABSENT_SUBSCRIBER, diagnostic

Test M_UL_05

Summary: extendedLocationReportReq, P_REQUESTED_ACCURACY_CANNOT_BE_DELIVERED
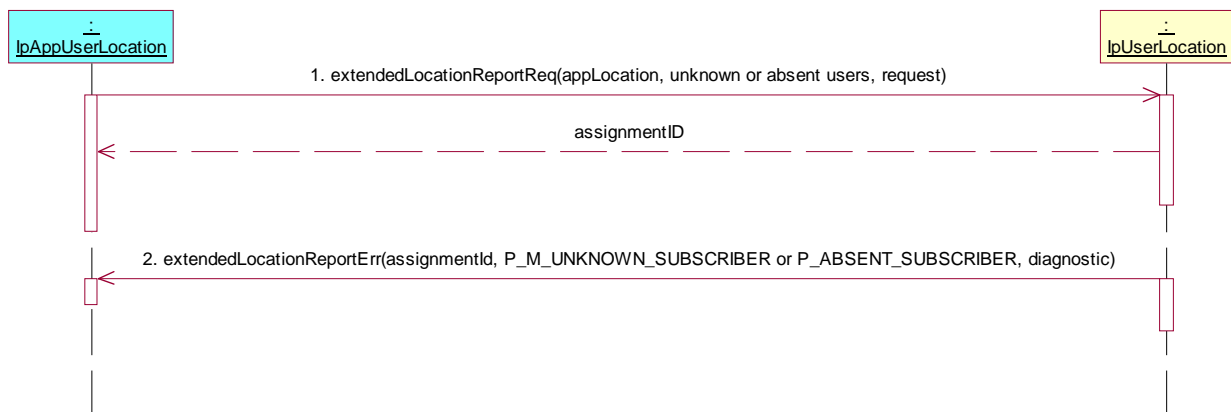
Reference: ES 201 915-6 [1], clause 8.1

Selection: extendedLocationReportReq method supported - PICS item: [2] UL2

Preamble: Registration of the IUT (User Location SCF) and the tester (application) to the framework. The tester must have obtained a reference to an instance of the IpUserLocation interface through selecting that service and signing the required service agreement.

Test Sequence:

1. Method call **extendedLocationReportReq()**
    Parameters: appLocation, users, request with accuracy that cannot be delivered
    Check: P_REQUESTED_ACCURACY_CANNOT_BE_DELIVERED is returned, or extendedLocationReportErr() with P_M_POSITION_METHOD_FAILURE value of TpMobilityError.

Test M_UL_06

Summary: extendedLocationReportReq, P_REQUESTED_RESPONSE_TIME_CANNOT_BE_DELIVERED

Reference: ES 201 915-6 [1], clause 8.1

Selection: extendedLocationReportReq method supported - PICS item: [2] UL2
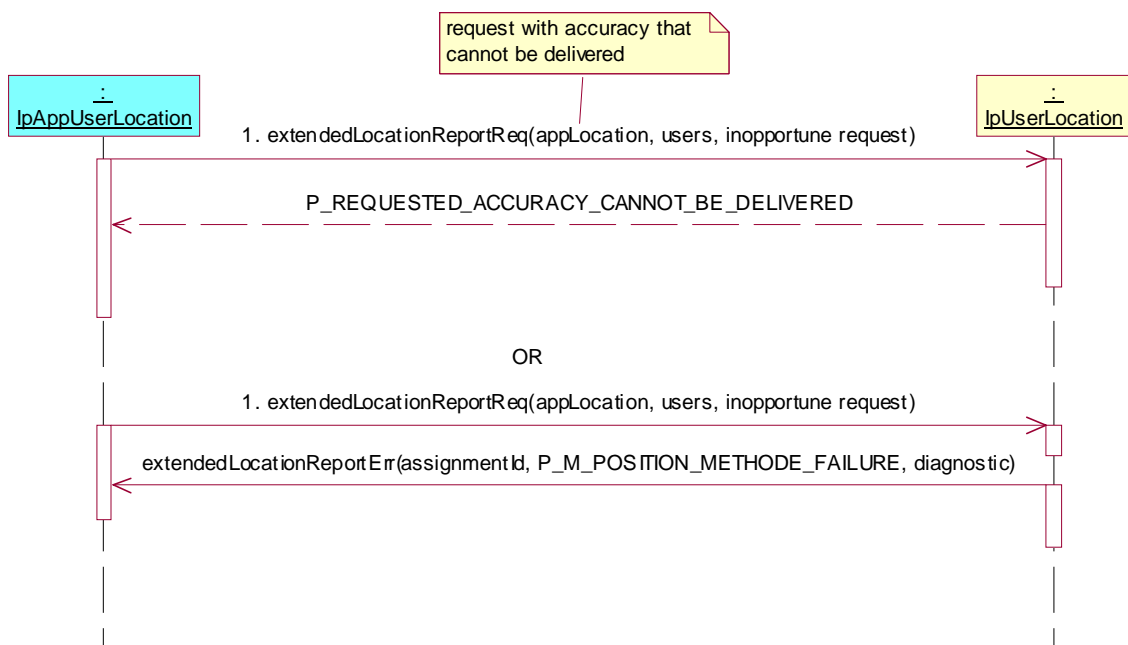
Preamble: Registration of the IUT (User Location SCF) and the tester (application) to the framework. The tester must have obtained a reference to an instance of the IpUserLocation interface through selecting that service and signing the required service agreement.

Test Sequence:

1. Method call **extendedLocationReportReq()**
   Parameters: appLocation, users, request with response time that cannot be delivered
   Check: P_REQUESTED_RESPONSE_TIME_CANNOT_BE_DELIVERED is returned, or extendedLocationReportErr() with P_M_POSITION_METHOD_FAILURE value of TpMobilityError.

Test M_UL_07

Summary: all methods, successful

Reference: ES 201 915-6 [1], clause 8.1

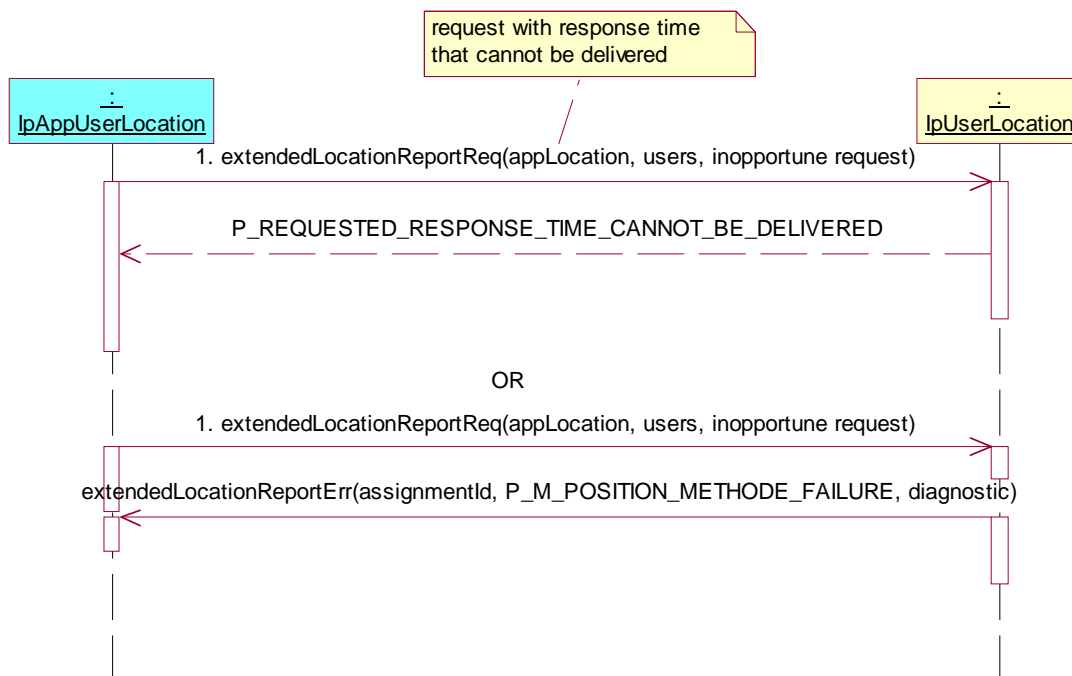Selection: periodicLocationReportingStartReq method supported - PICS item: [2] UL3

Preamble: Registration of the IUT (User Location SCF) and the tester (application) to the framework. The tester must have obtained a reference to an instance of the IpUserLocation interface through selecting that service and signing the required service agreement.

Test Sequence:

1. Method call **periodicLocationReportingStartReq()**
    Parameters: appLocation, users, request, reportingInterval
    Check: valid value of TpSessionID is returned

2. Triggered action: periodically cause IUT to call **periodicLocationReport()** method on the tester's (Application) **IpAppUserLocation** interface.
    Parameters: assignmentId, locations
    Check: These messages are sent with correct reporting Interval given in 1.

3. Method call **periodicLocationReportingStop()**
    Parameters: stopRequest
    Check: No further periodicLocationReport is sent.

Test M_UL_08

Summary: all methods, unknown or absent subscriber
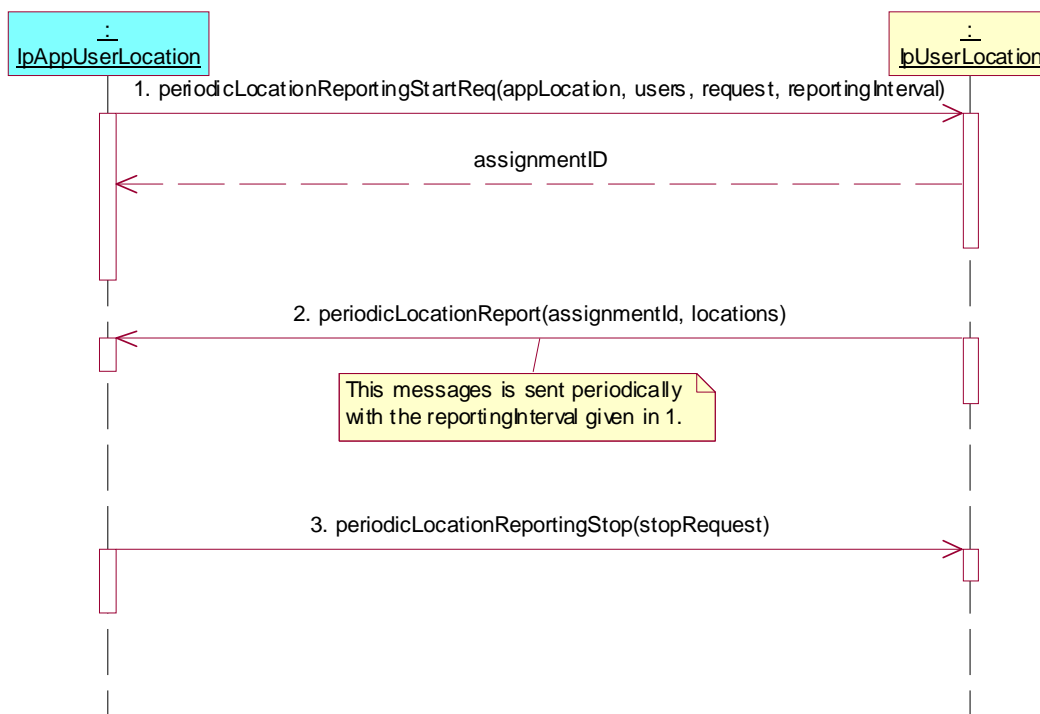
Reference: ES 201 915-6 [1], clause 8.1

Selection: periodocLocationReportingStartReq method supported - PICS item: [2] UL3

Preamble: Registration of the IUT (User Location SCF) and the tester (application) to the framework. The tester must have obtained a reference to an instance of the IpUserLocation interface through selecting that service and signing the required service agreement.

Test Sequence:

1. Method call **periodicLocationReportingStartReq()**
   Parameters: appLocation, users with unknown or absent subscriber, request, reportingInterval
   Check: valid value of TpSessionID is returned

2. Triggered action: cause IUT to call **periodicLocationReportErr ()** method on the tester's (Application) **IpAppUserLocation** interface.
   Parameters: assignmentId, cause indicating P_M_UNKNOWN_SUBSCRIBER or P_ABSENT_SUBSCRIBER, diagnostic

Test M_UL_09

Summary: periodicLocationReportingStartReq, P_REQUESTED_ACCURACY_CANNOT_BE_DELIVERED
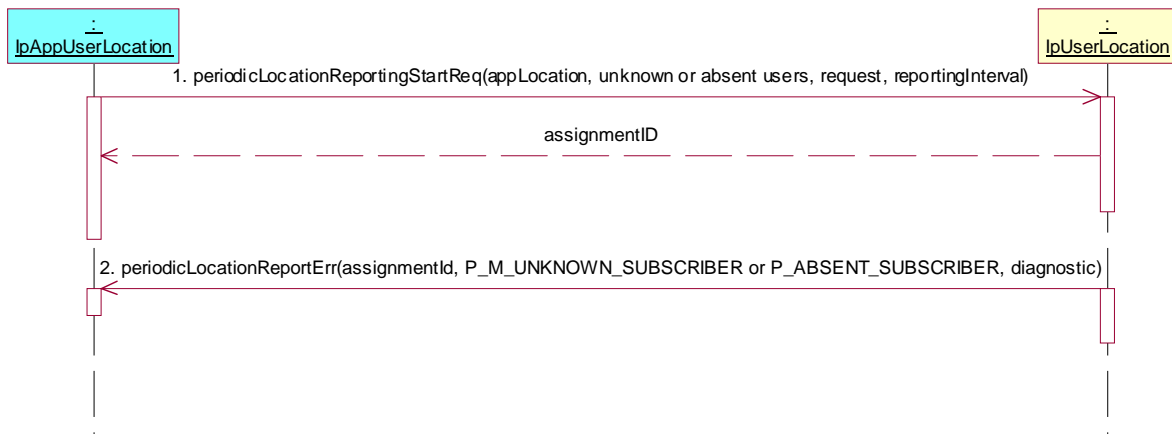
Reference: ES 201 915-6 [1], clause 8.1

Selection: periodocLocationReportingStartReq method supported - PICS item: [2] UL3

Preamble: Registration of the IUT (User Location SCF) and the tester (application) to the framework. The tester must have obtained a reference to an instance of the IpUserLocation interface through selecting that service and signing the required service agreement.

Test Sequence:

    1.   Method call **periodicLocationReportingStartReq ()**
        Parameters: appLocation, users, request with accuracy that cannot be delivered, reportingInterval
        Check: P_REQUESTED_ACCURACY_CANNOT_BE_DELIVERED is returned, or periodicLocationReportErr() with P_M_POSITION_METHOD_FAILURE value of TpMobilityError.

Test M_UL_10

Summary: periodicLocationReportingStartReq,
                 P_REQUESTED_RESPONSE_TIME_CANNOT_BE_DELIVERED

Reference: ES 201 915-6 [1], clause 8.1

Selection: periodocLocationReportingStartReq method supported - PICS item: [2] UL3
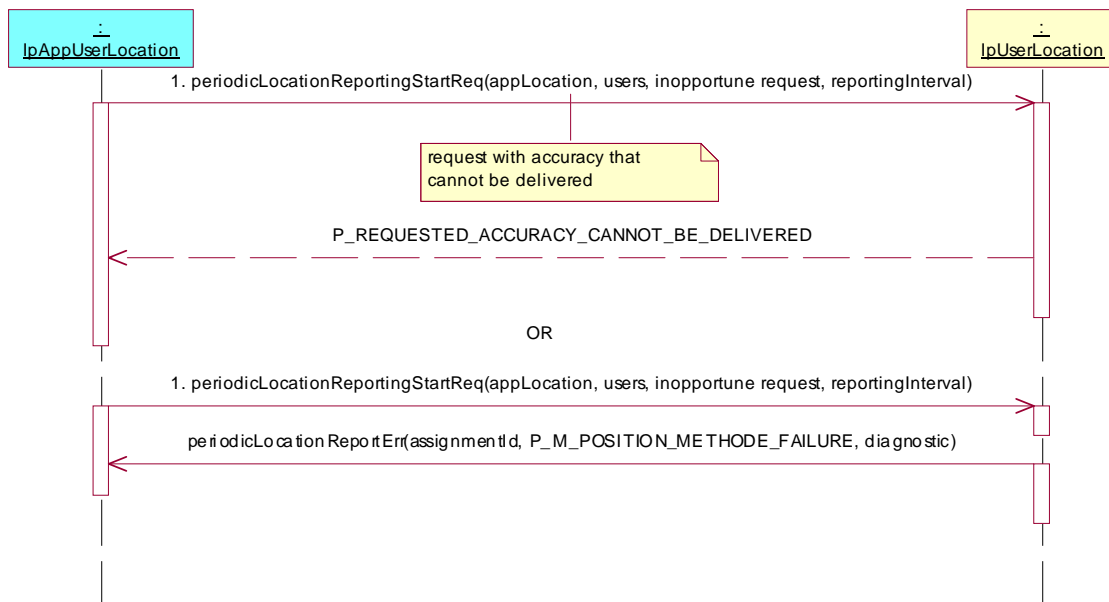
Preamble: Registration of the IUT (User Location SCF) and the tester (application) to the framework. The tester
                 must have obtained a reference to an instance of the IpUserLocation interface through selecting that
                 service and signing the required service agreement.

Test Sequence:

  1.   Method call **periodicLocationReportingStartReq ()**
       Parameters: appLocation, users, request with response time that cannot be delivered, reportingInterval
       Check: P_REQUESTED_RESPONSE_TIME_CANNOT_BE_DELIVERED is returned, or
                        periodicLocationReportErr() with P_M_POSITION_METHOD_FAILURE value of
                        TpMobilityError.

Test M_UL_11

Summary: periodicLocationReportingStartReq, P_INVALID_REPORTING_INTERVAL

Reference: ES 201 915-6 [1], clause 8.1

Selection: periodocLocationReportingStartReq method supported - PICS item: [2] UL3
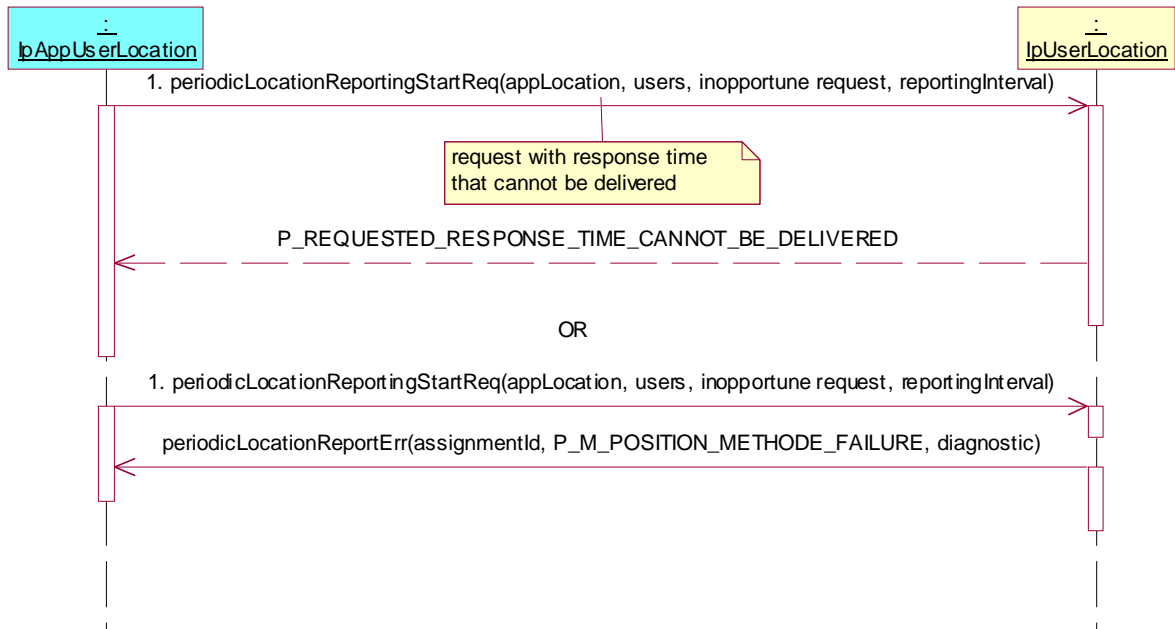
Preamble: Registration of the IUT (User Location SCF) and the tester (application) to the framework. The tester must have obtained a reference to an instance of the IpUserLocation interface through selecting that service and signing the required service agreement.

Test Sequence:

1.   Method call **periodicLocationReportingStartReq ()**
     Parameters: appLocation, users, request, invalid reportingInterval
     Check: P_INVALID_REPORTING_INTERVAL is returned, or periodicLocationReportErr() with P_M_POSITION_METHOD_FAILURE value of TpMobilityError.

Test M_UL_12

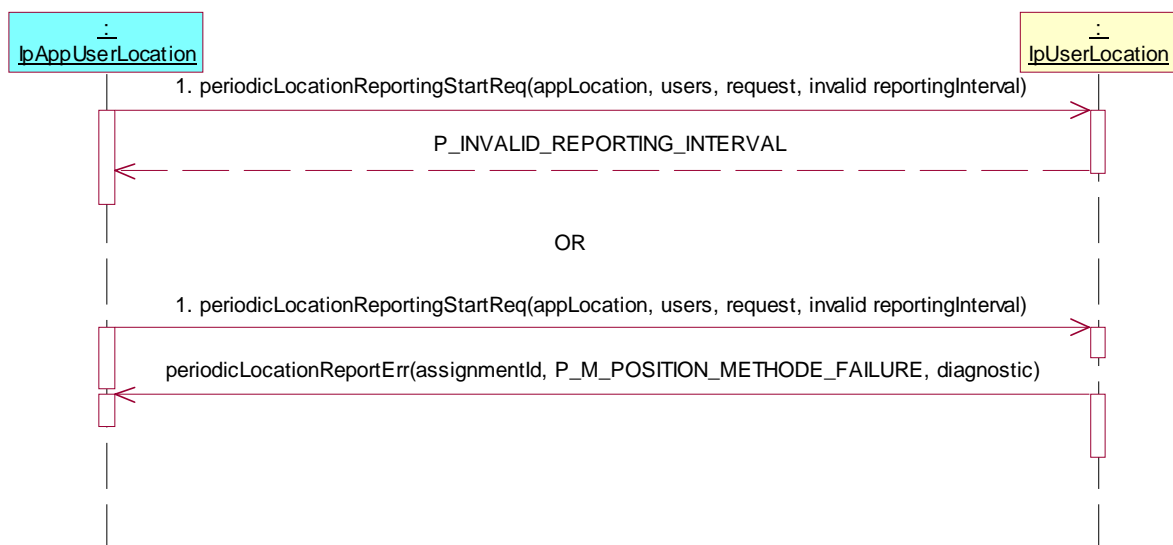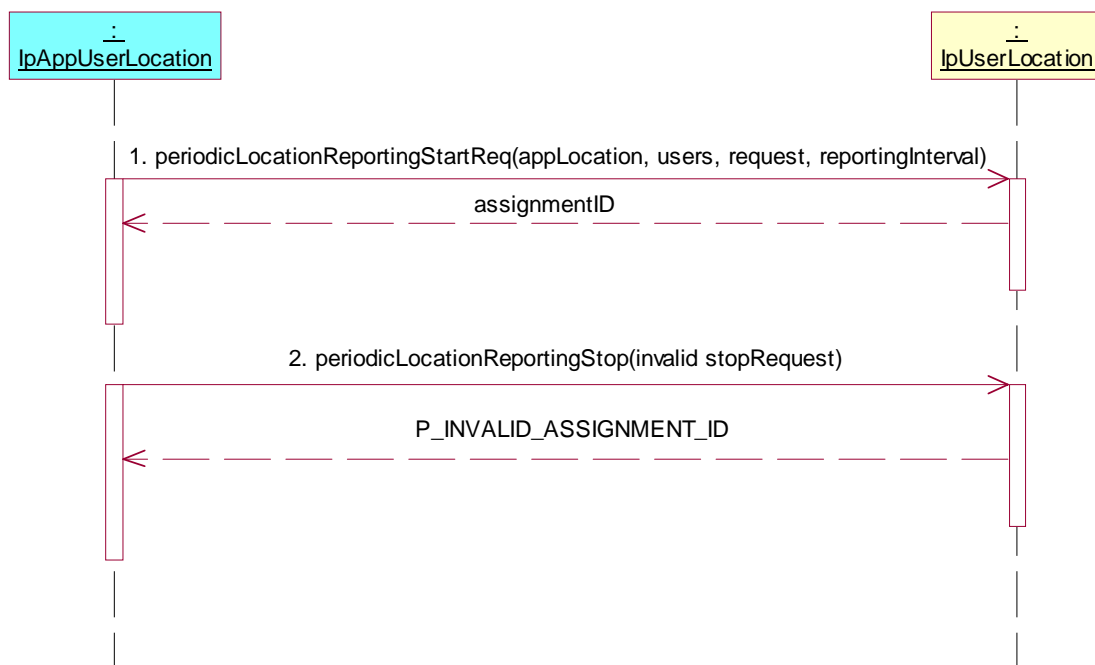Summary: periodicLocationReportingStop, P_INVALID_ASSIGNMENT_ID

Reference: ES 201 915-6 [1], clause 8.1

Selection: periodocLocationReportingStartReq method supported - PICS item: [2] UL3

Preamble: Registration of the IUT (User Location SCF) and the tester (application) to the framework. The tester must have obtained a reference to an instance of the IpUserLocation interface through selecting that service and signing the required service agreement.

Test Sequence:

1. Method call **periodicLocationReportingStartReq()**
   Parameters: appLocation, users, request, reportingInterval
   Check: valid value of TpSessionID is returned

2. Method call **periodicLocationReportingStop()**
   Parameters: invalid stopRequest
   Check: P_INVALID_ASSIGNMENT_ID, is returned.

```
        .:                                              .:
 IpAppUserLocation                              IpUserLocation
        |                                              |
        |                                              |
        | 1. periodicLocationReportingStartReq(appLocation, users, request, reportingInterval)
        |--------------------------------------------->|
        |                  assignmentID                |
        |<- - - - - - - - - - - - - - - - - - - - - - -|
        |                                              |
        |                                              |
        |                                              |
        |     2. periodicLocationReportingStop(invalid stopRequest)
        |--------------------------------------------->|
        |             P_INVALID_ASSIGNMENT_ID          |
        |<- - - - - - - - - - - - - - - - - - - - - - -|
        |                                              |
        |                                              |
        |                                              |
        |                                              |
        |                                              |
```

5.2.1.2 IpTrigerredUserLocation interface

Test M_TUL_01

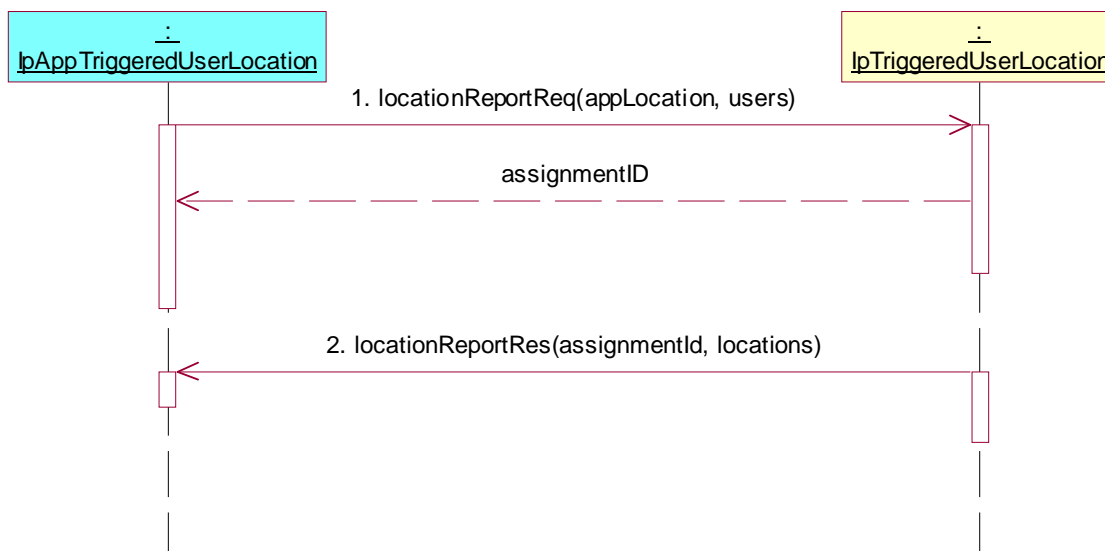Summary: all methods, successful

Reference: ES 201 915-6 [1], clause 8.1

Selection: locationReportReq method supported - PICS item: [2] TUL1

Preamble: Registration of the IUT (User Location SCF) and the tester (application) to the framework. The tester
               must have obtained a reference to an instance of the IpTriggeredUserLocation interface through
               selecting that service and signing the required service agreement.

Test Sequence:

1. Method call **locationReportReq()**
   Parameters: appLocation, users
   Check: valid value of TpSessionID is returned

2. Triggered action: cause IUT to call **locationReportRes()** method on the tester's (Application)
   IpAppTriggeredUserLocation interface.
   Parameters: assignmentId, locations

Test M_TUL_02

Summary: locationReportReq, locationReportErr
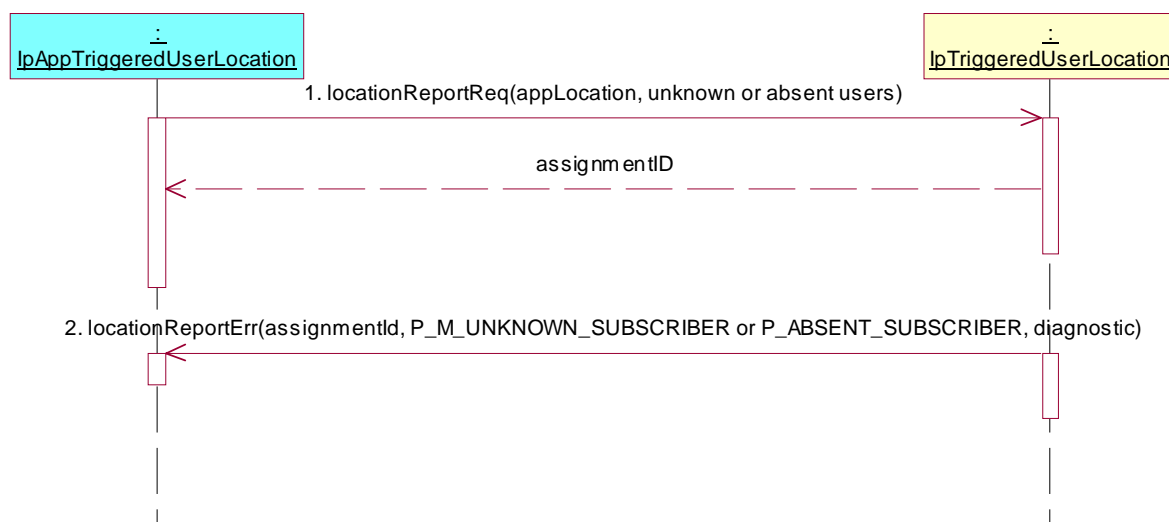
Reference: ES 201 915-6 [1], clause 8.1

Selection: locationReportReq method supported - PICS item: [2] TUL1

Preamble: Registration of the IUT (User Location SCF) and the tester (application) to the framework. The tester must have obtained a reference to an instance of the IpTriggeredUserLocation interface through selecting that service and signing the required service agreement.

Test Sequence:

1. Method call **locationReportReq()**
    Parameters: appLocation, users with unknown or absent subscriber
    Check: valid value of TpSessionID is returned

2. Triggered action: cause IUT to call **locationReportErr()** method on the tester's (Application) **IpAppTriggeredUserLocation** interface.
    Parameters: assignmentId, cause indicating P_M_UNKNOWN_SUBSCRIBER or P_ABSENT_SUBSCRIBER, diagnostic

Test M_TUL_03

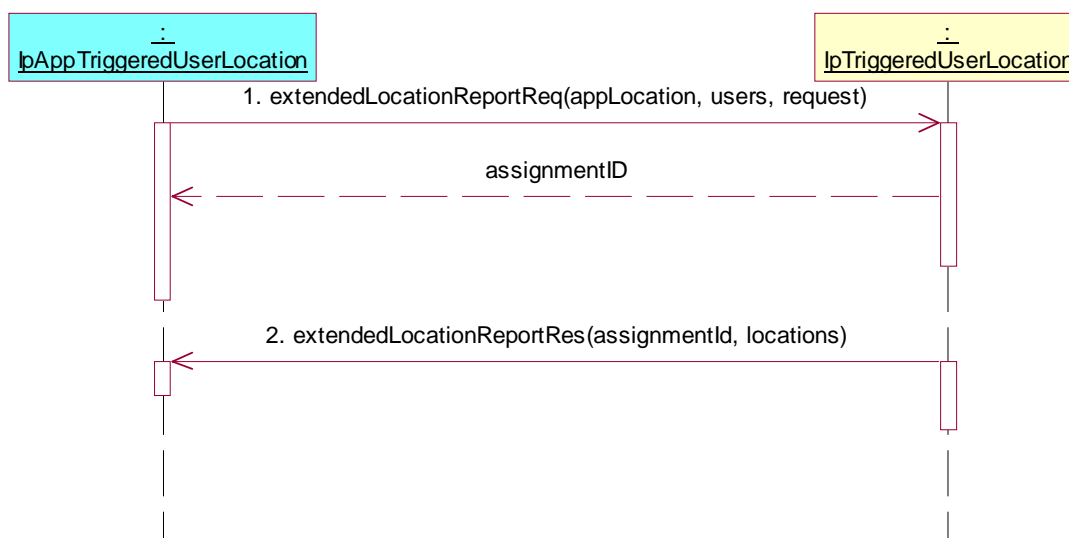Summary: all methods, successful

Reference: ES 201 915-6 [1], clause 8.1

Selection: extendedLocationReportReq method supported - PICS item: [2] TUL2

Preamble: Registration of the IUT (User Location SCF) and the tester (application) to the framework. The tester must have obtained a reference to an instance of the IpTriggeredUserLocation interface through selecting that service and signing the required service agreement.

Test Sequence:

1. Method call **extendedLocationReportReq()**
    Parameters: appLocation, users, request
    Check: valid value of TpSessionID is returned

2. Triggered action: cause IUT to call **extendedLocationReportRes()** method on the tester's (Application) **IpAppTriggeredUserLocation** interface.
    Parameters: assignmentId, locations

Test M_TUL_04

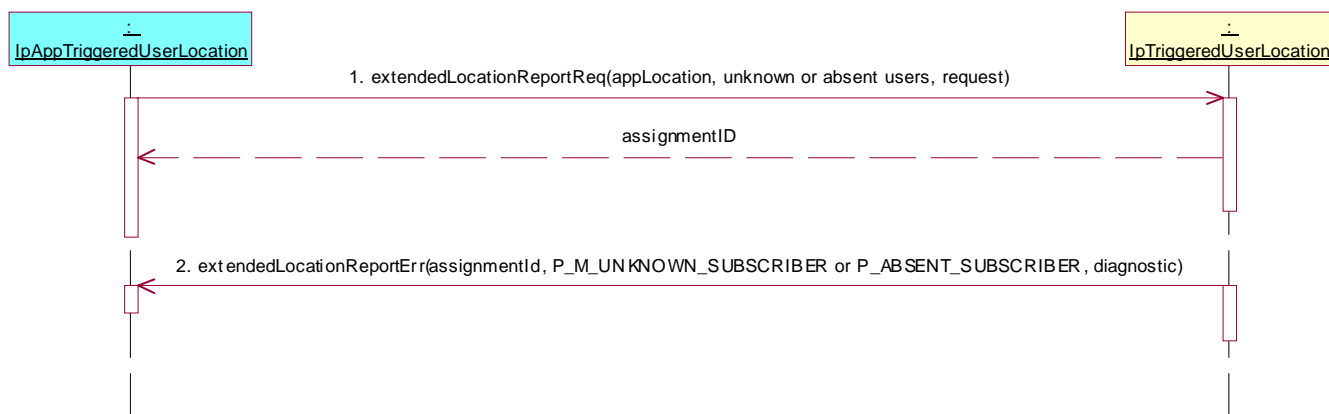Summary: extendedLocationReportReq, extendedLocationReportErr

Reference: ES 201 915-6 [1], clause 8.1

Selection: extendedLocationReportReq method supported - PICS item: [2] TUL2

Preamble: Registration of the IUT (User Location SCF) and the tester (application) to the framework. The tester must have obtained a reference to an instance of the IpTriggeredUserLocation interface through selecting that service and signing the required service agreement.

Test Sequence:

1. Method call **extendedLocationReportReq()**
    Parameters: appLocation, users with unknown or absent subscriber, request
    Check: valid value of TpSessionID is returned

2. Triggered action: cause IUT to call **extendedLocationReportErr()** method on the tester's (Application) **IpAppTriggeredUserLocation** interface.
    Parameters: assignmentId, cause indicating P_M_UNKNOWN_SUBSCRIBER or P_ABSENT_SUBSCRIBER, diagnostic

Test M_TUL_05

Summary: extendedLocationReportReq, P_REQUESTED_ACCURACY_CANNOT_BE_DELIVERED

Reference: ES 201 915-6 [1], clause 8.1

Selection: extendedLocationReportReq method supported - PICS item: [2] TUL2

Preamble: Registration of the IUT (User Location SCF) and the tester (application) to the framework. The tester must have obtained a reference to an instance of the IpTriggeredUserLocation interface through selecting that service and signing the required service agreement.

Test Sequence:

1. Method call **extendedLocationReportReq()**
   Parameters: appLocation, users, request with accuracy that cannot be delivered
   Check: P_REQUESTED_ACCURACY_CANNOT_BE_DELIVERED is returned, or extendedLocationReportErr() with P_M_POSITION_METHOD_FAILURE value of TpMobilityError.

Test M_TUL_06

Summary: extendedLocationReportReq, P_REQUESTED_RESPONSE_TIME_CANNOT_BE_DELIVERED

Reference: ES 201 915-6 [1], clause 8.1

Selection: extendedLocationReportReq method supported - PICS item: [2] TUL2
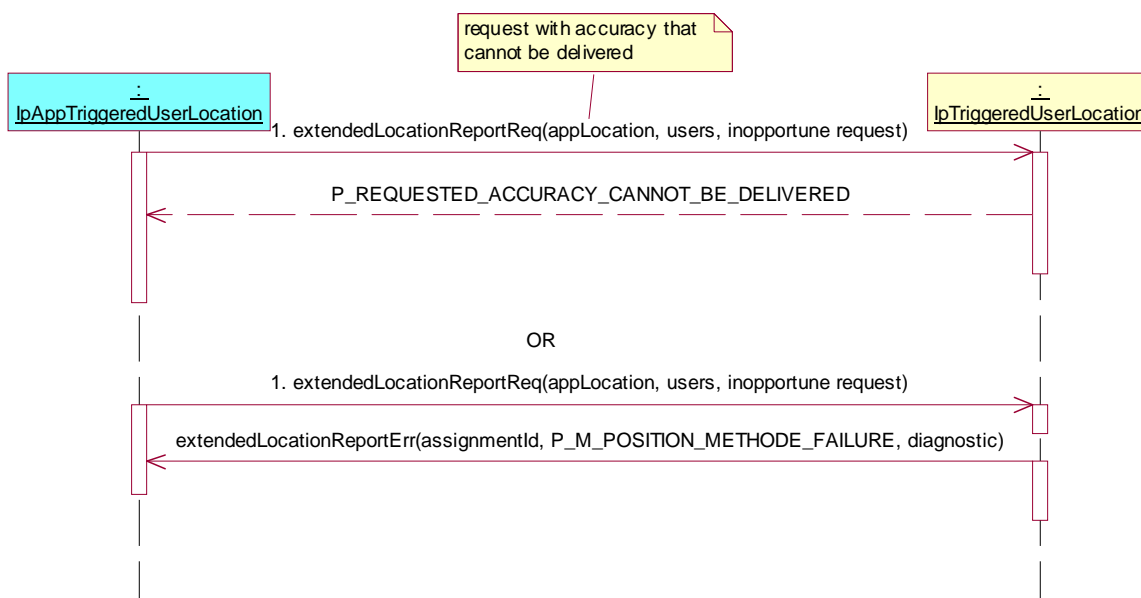
Preamble: Registration of the IUT (User Location SCF) and the tester (application) to the framework. The tester must have obtained a reference to an instance of the IpTriggeredUserLocation interface through selecting that service and signing the required service agreement.

Test Sequence:

1. Method call **extendedLocationReportReq()**
    Parameters: appLocation, users, request with response time that cannot be delivered
    Check: P_REQUESTED_RESPONSE_TIME_CANNOT_BE_DELIVERED is returned, or extendedLocationReportErr() with P_M_POSITION_METHOD_FAILURE value of TpMobilityError.

Test M_TUL_07

Summary: all methods, successful

Reference: ES 201 915-6 [1], clause 8.1

Selection: periodocLocationReportingStartReq method supported - PICS item: [2] TUL3
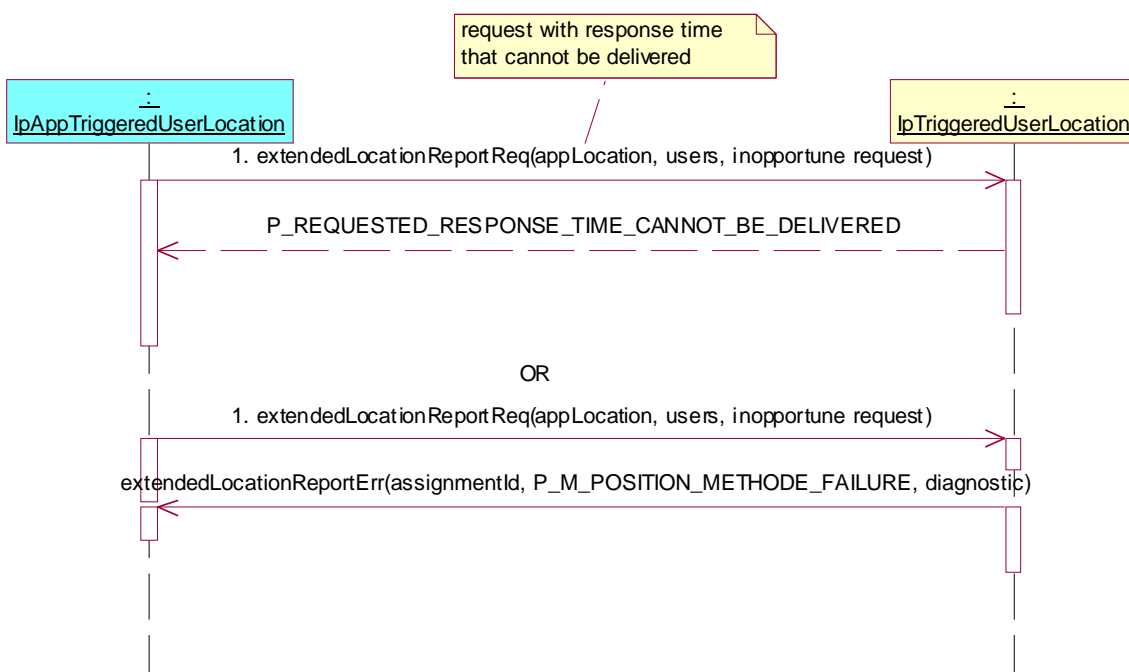
Preamble: Registration of the IUT (User Location SCF) and the tester (application) to the framework. The tester
                must have obtained a reference to an instance of the IpTriggeredUserLocation interface through
                selecting that service and signing the required service agreement.

Test Sequence:

1. Method call **periodicLocationReportingStartReq()**
    Parameters: appLocation, users, request, reportingInterval
    Check: valid value of TpSessionID is returned

2. Triggered action: periodically cause IUT to call **periodicLocationReport ()** method on the tester's
    (Application) **IpAppTriggeredUserLocation** interface.
    Parameters: assignmentId, locations
    Check: These messages are sent with correct reporting Interval given in 1.

3. Method call **periodicLocationReportingStop()**
    Parameters: stopRequest
    Check: No further periodicLocationReport is sent.

Test M_TUL_08

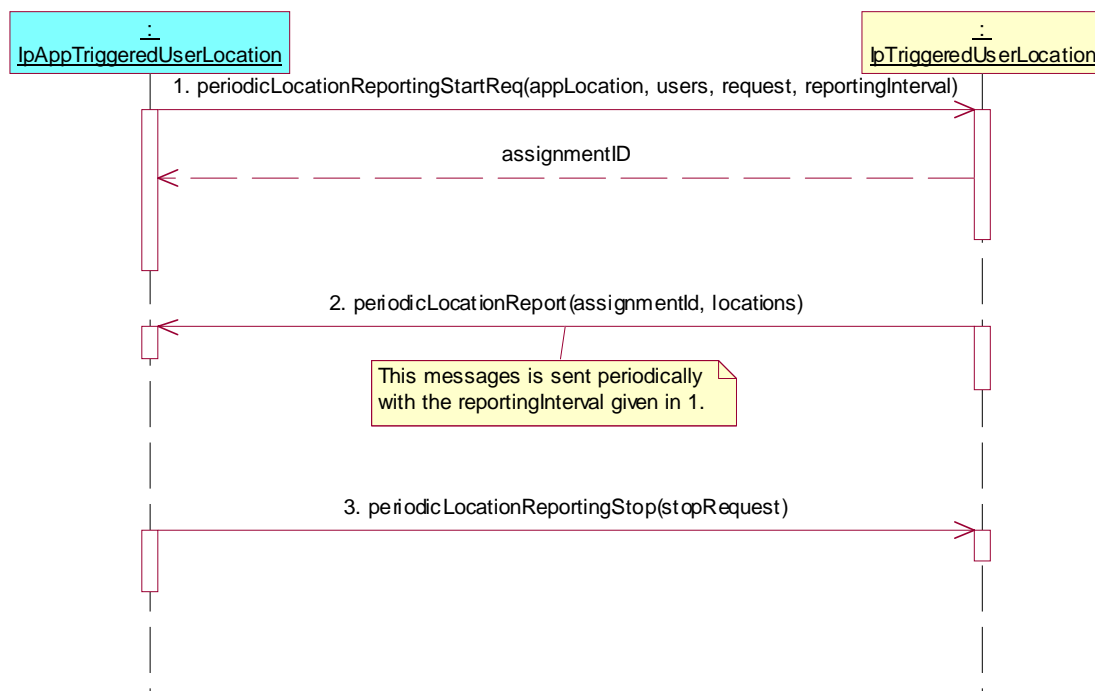Summary: all methods, unknown or absent subscriber
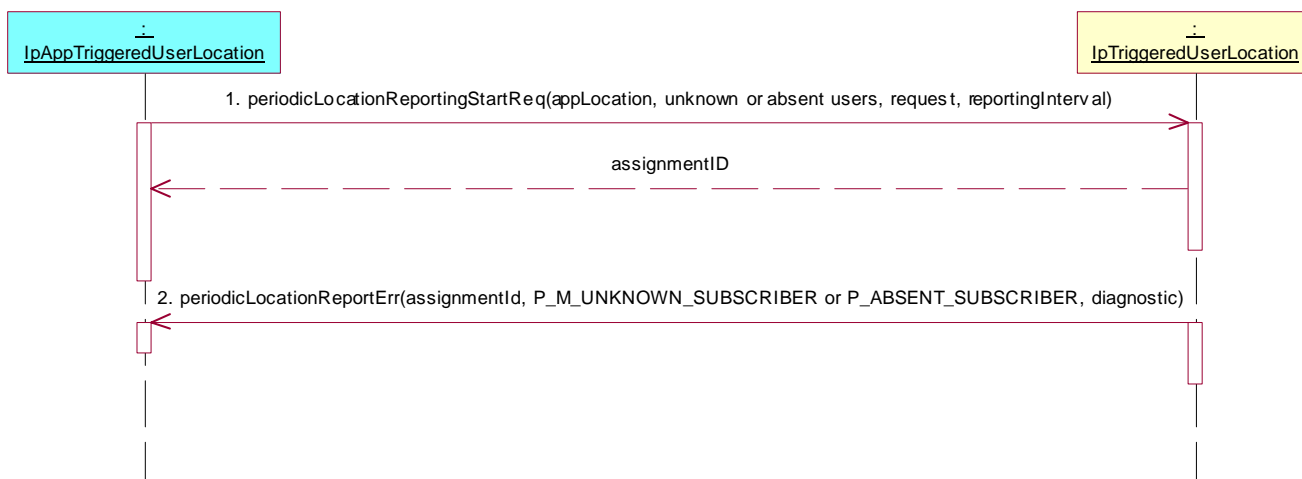
Reference: ES 201 915-6 [1], clause 8.1

Selection: periodocLocationReportingStartReq method supported - PICS item: [2] TUL3

Preamble: Registration of the IUT (User Location SCF) and the tester (application) to the framework. The tester must have obtained a reference to an instance of the IpTriggeredUserLocation interface through selecting that service and signing the required service agreement.

Test Sequence:

1. Method call **periodicLocationReportingStartReq()**
    Parameters: appLocation, users with unknown or absent subscriber, request, reportingInterval
    Check: valid value of TpSessionID is returned

2. Triggered action: cause IUT to call **periodicLocationReportErr ()** method on the tester's (Application) **IpAppTriggeredUserLocation** interface.
    Parameters: assignmentId, cause indicating P_M_UNKNOWN_SUBSCRIBER or P_ABSENT_SUBSCRIBER, diagnostic

```
  ┌─────────────────────────┐                                              ┌─────────────────────────┐
  │ IpAppTriggeredUserLocation │                                           │  IpTriggeredUserLocation  │
  └─────────────────────────┘                                              └─────────────────────────┘
           │   1. periodicLocationReportingStartReq(appLocation, unknown or absent users, request, reportingInterval)  │
           │ ──────────────────────────────────────────────────────────────────────────────────────────────────────▶ │
           │                                                                                                            │
           │                                          assignmentID                                                     │
           │ ◀ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ │
           │                                                                                                            │
           │ 2. periodicLocationReportErr(assignmentId, P_M_UNKNOWN_SUBSCRIBER or P_ABSENT_SUBSCRIBER, diagnostic)      │
           │ ◀──────────────────────────────────────────────────────────────────────────────────────────────────────  │
```

Test M_TUL_09

Summary: periodicLocationReportingStartReq, P_REQUESTED_ACCURACY_CANNOT_BE_DELIVERED

Reference: ES 201 915-6 [1], clause 8.1

Selection: periodocLocationReportingStartReq method supported - PICS item: [2] TUL3
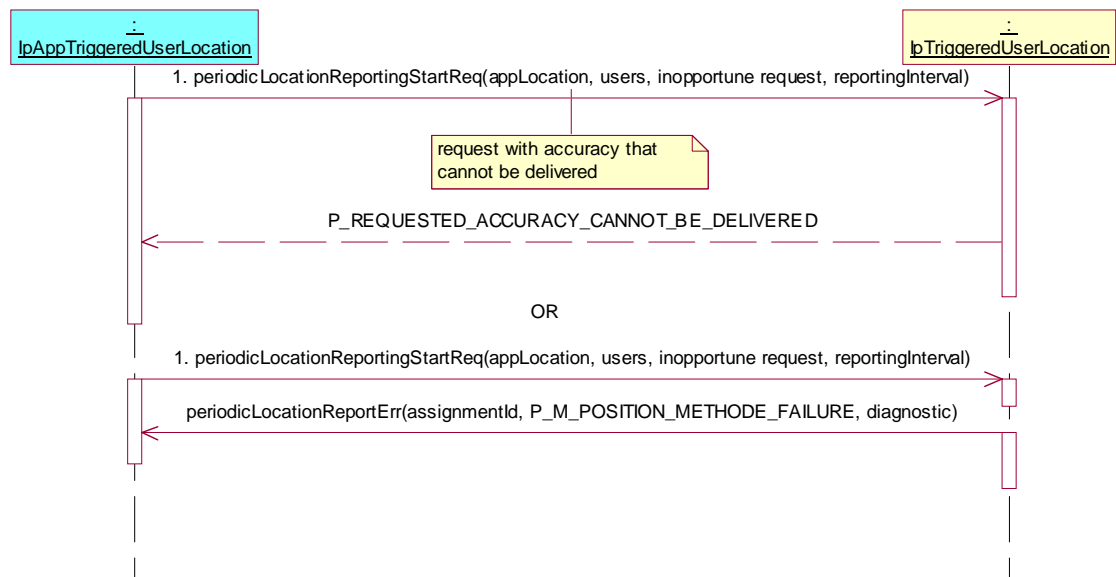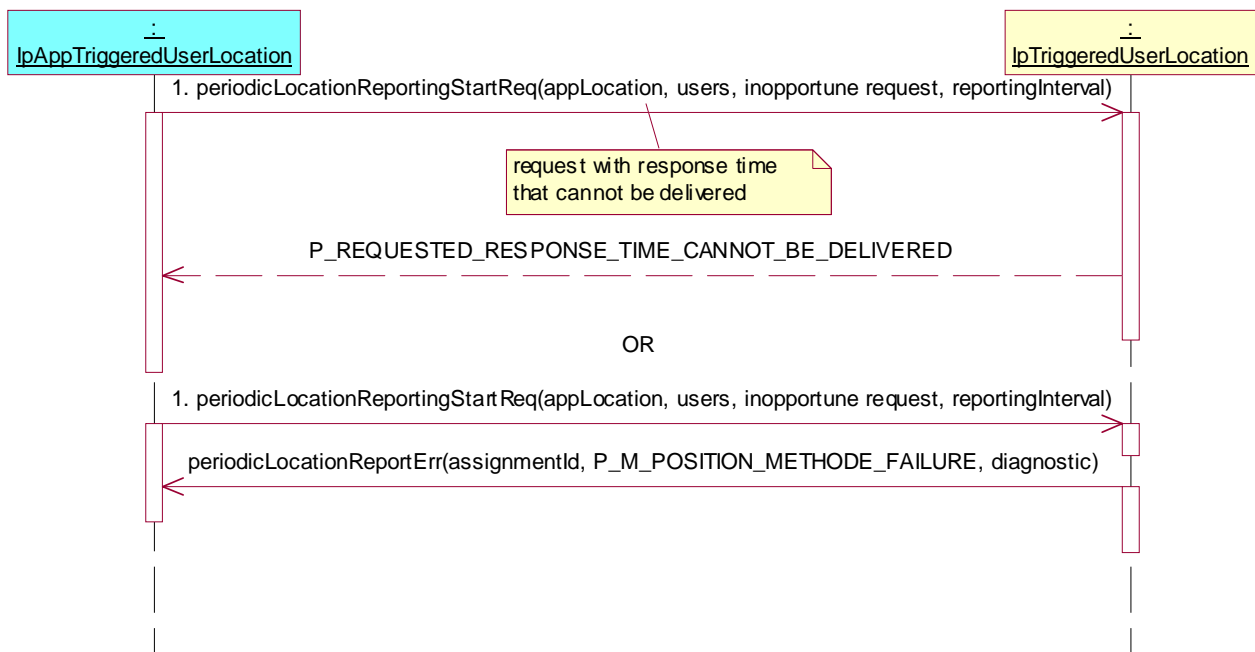
Preamble: Registration of the IUT (User Location SCF) and the tester (application) to the framework. The tester
                 must have obtained a reference to an instance of the IpTriggeredUserLocation interface through
                 selecting that service and signing the required service agreement.

Test Sequence:

1. Method call **periodicLocationReportingStartReq ()**
    Parameters: appLocation, users, request with accuracy that cannot be delivered, reportingInterval
    Check: P_REQUESTED_ACCURACY_CANNOT_BE_DELIVERED is returned, or
                    periodicLocationReportErr() with P_M_POSITION_METHOD_FAILURE value of
                    TpMobilityError.

Test M_TUL_10

Summary: periodicLocationReportingStartReq,
                  P_REQUESTED_RESPONSE_TIME_CANNOT_BE_DELIVERED

Reference: ES 201 915-6 [1], clause 8.1

Selection: periodocLocationReportingStartReq method supported - PICS item: [2] TUL3
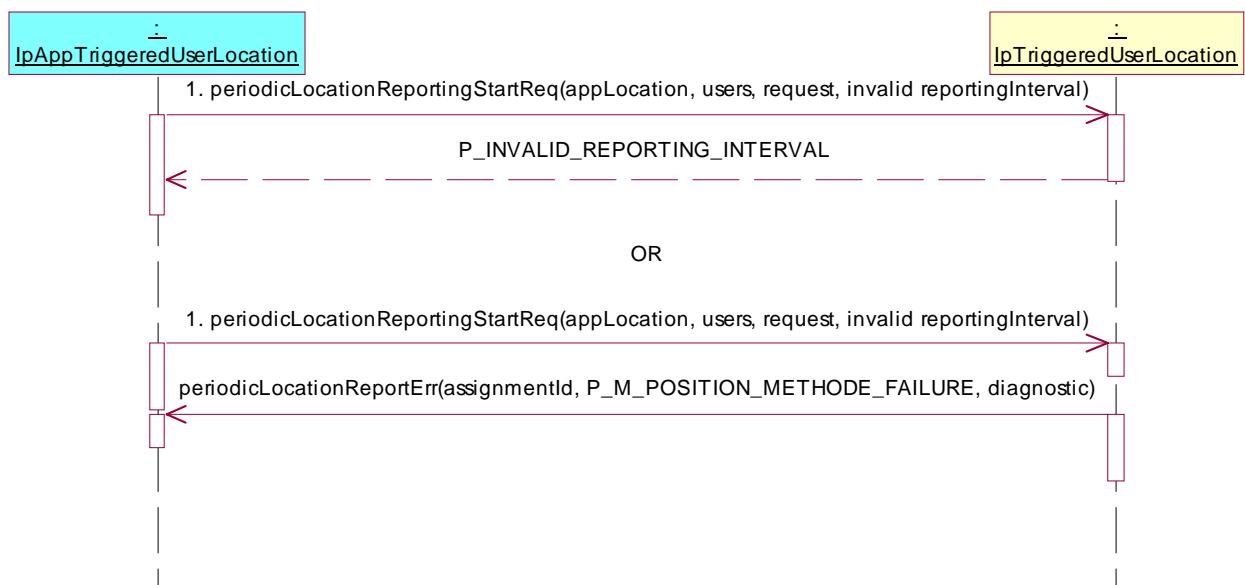
Preamble: Registration of the IUT (User Location SCF) and the tester (application) to the framework. The tester
                  must have obtained a reference to an instance of the IpTriggeredUserLocation interface through
                  selecting that service and signing the required service agreement.

Test Sequence:

    1.   Method call **periodicLocationReportingStartReq ()**
        Parameters: appLocation, users, request with response time that cannot be delivered, reportingInterval
        Check: P_REQUESTED_RESPONSE_TIME_CANNOT_BE_DELIVERED is returned, or
                        periodicLocationReportErr() with P_M_POSITION_METHOD_FAILURE value of
                        TpMobilityError.

Test M_TUL_11

Summary: periodicLocationReportingStartReq, P_INVALID_REPORTING_INTERVAL

Reference: ES 201 915-6 [1], clause 8.1

Selection: periodocLocationReportingStartReq method supported - PICS item: [2] TUL3

Preamble: Registration of the IUT (User Location SCF) and the tester (application) to the framework. The tester must have obtained a reference to an instance of the IpTriggeredUserLocation interface through selecting that service and signing the required service agreement.

Test Sequence:

1.   Method call **periodicLocationReportingStartReq ()**
     Parameters: appLocation, users, request, invalid reportingInterval
     Check: P_INVALID_REPORTING_INTERVAL is returned, or periodicLocationReportErr() with P_M_POSITION_METHOD_FAILURE value of TpMobilityError.

Test M_TUL_12

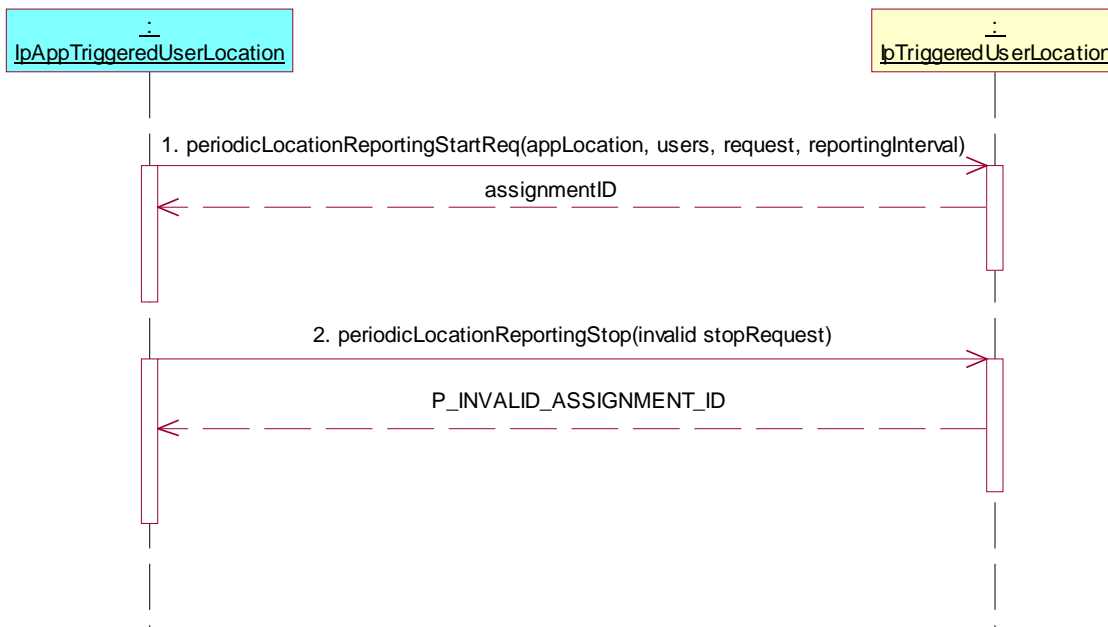Summary: periodicLocationReportingStop, P_INVALID_ASSIGNMENT_ID

Reference: ES 201 915-6 [1], clause 8.1

Selection: periodocLocationReportingStartReq method supported - PICS item: [2] TUL3

Preamble: Registration of the IUT (User Location SCF) and the tester (application) to the framework. The tester must have obtained a reference to an instance of the IpTriggeredUserLocation interface through selecting that service and signing the required service agreement.

Test Sequence:

1. Method call **periodicLocationReportingStartReq()**
    Parameters: appLocation, users, request, reportingInterval
    Check: valid value of TpSessionID is returned

2. Method call **periodicLocationReportingStop()**
    Parameters: invalid stopRequest
    Check: P_INVALID_ASSIGNMENT_ID, is returned.
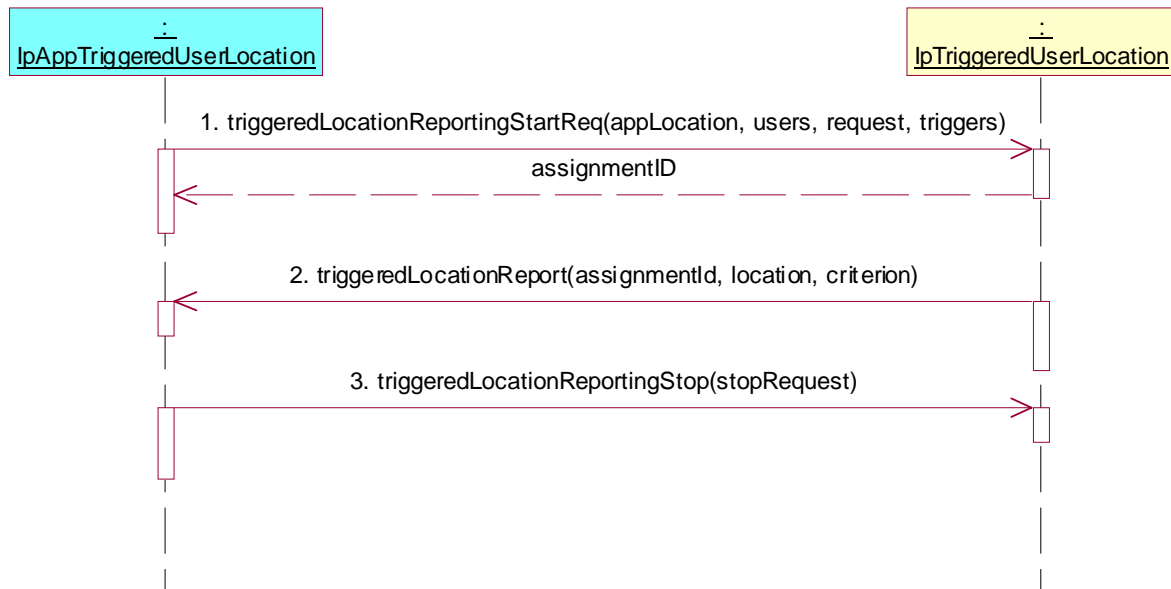
Test M_TUL_13

Summary: all methods, successful

Reference: ES 201 915-6 [1], clause 8.1

Preamble: Registration of the IUT (User Location SCF) and the tester (application) to the framework. The tester must have obtained a reference to an instance of the IpTriggeredUserLocation interface through selecting that service and signing the required service agreement.

Test Sequence:

1. Method call **triggeredLocationReportingStartReq()**
   Parameters: appLocation, users, request, triggers
   Check: valid value of TpSessionID is returned

2. Triggered action: cause IUT to call **triggeredLocationReport ()** method on the tester's (Application)
   IpAppTriggeredUserLocation interface.
   Parameters: assignmentId, location, criterion

3. Method call **triggeredLocationReportingStop()**
   Parameters: stoprequest
   Check: no exception is returned

Test M_TUL_14

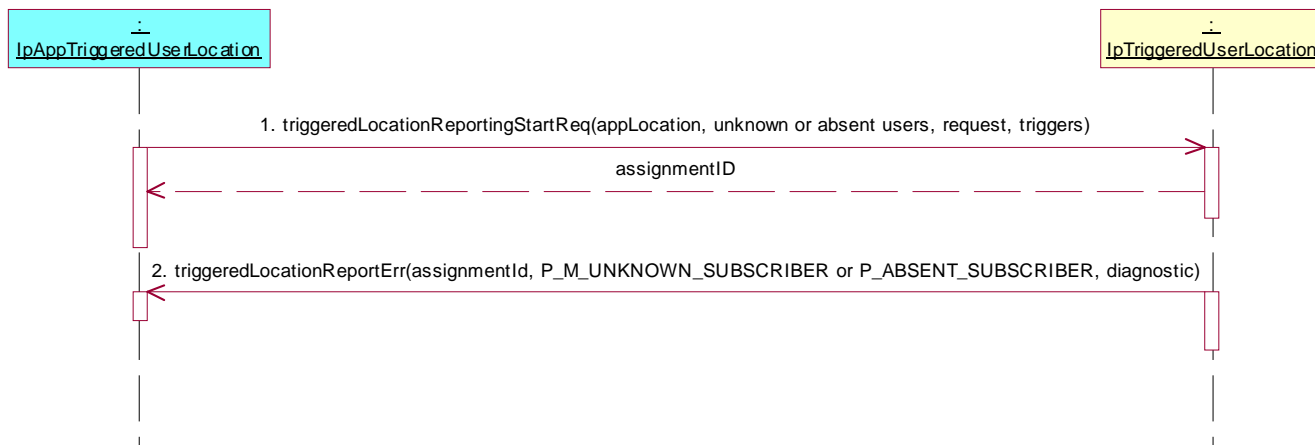Summary: all methods, unknown or absent subscriber

Reference: ES 201 915-6 [1], clause 8.1

Preamble: Registration of the IUT (User Location SCF) and the tester (application) to the framework. The tester must have obtained a reference to an instance of the IpTriggeredUserLocation interface through selecting that service and signing the required service agreement.

Test Sequence:

   1.   Method call **triggeredLocationReportingStartReq()**
        Parameters: appLocation, users with unknown or absent subscriber, request, triggers
        Check: valid value of TpSessionID is returned

   2.   Triggered action: cause IUT to call **triggeredLocationReportErr ()** method on the tester's (Application) **IpAppTriggeredUserLocation** interface.
        Parameters: assignmentId, cause indicating P_M_UNKNOWN_SUBSCRIBER or P_ABSENT_SUBSCRIBER, diagnostic

Test M_TUL_15

Summary: triggeredLocationReportingStartReq, P_REQUESTED_ACCURACY_CANNOT_BE_DELIVERED

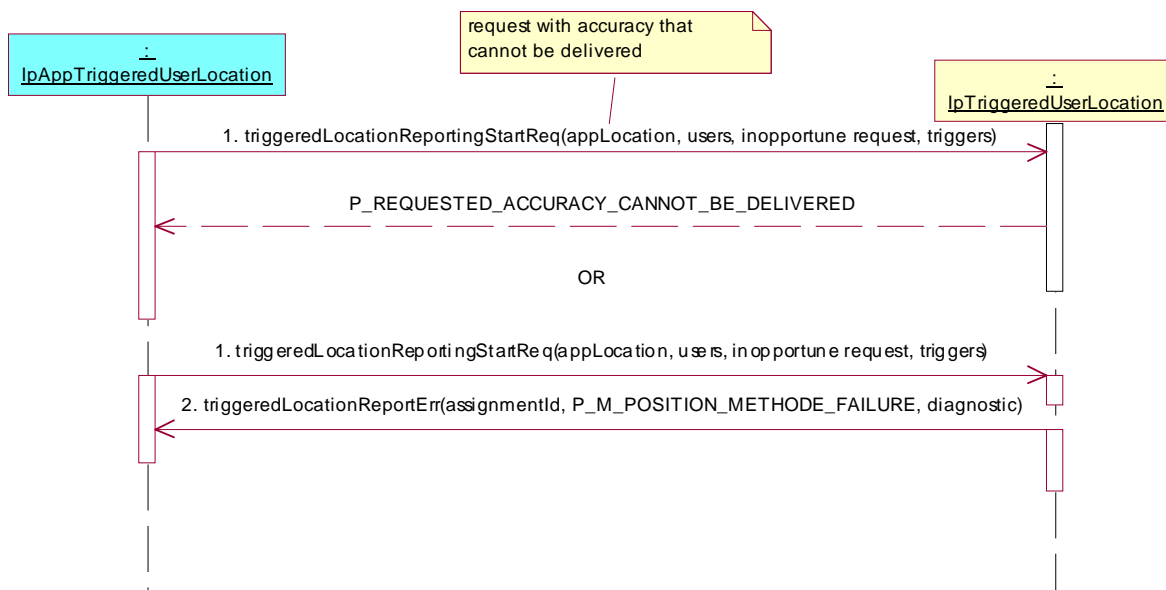Reference: ES 201 915-6 [1], clause 8.1

Preamble: Registration of the IUT (User Location SCF) and the tester (application) to the framework. The tester
                must have obtained a reference to an instance of the IpTriggeredUserLocation interface through
                selecting that service and signing the required service agreement.

Test Sequence:

1. Method call **triggeredLocationReportingStartReq ()**
   Parameters: appLocation, users, request with accuracy that cannot be delivered, triggers
   Check: P_REQUESTED_ACCURACY_CANNOT_BE_DELIVERED is returned, or
                   triggeredLocationReportErr() with P_M_POSITION_METHOD_FAILURE value of
                   TpMobilityError is returned.

Test M_TUL_16

Summary: triggeredLocationReportingStartReq,
P_REQUESTED_RESPONSE_TIME_CANNOT_BE_DELIVERED

Reference: ES 201 915-6 [1], clause 8.1
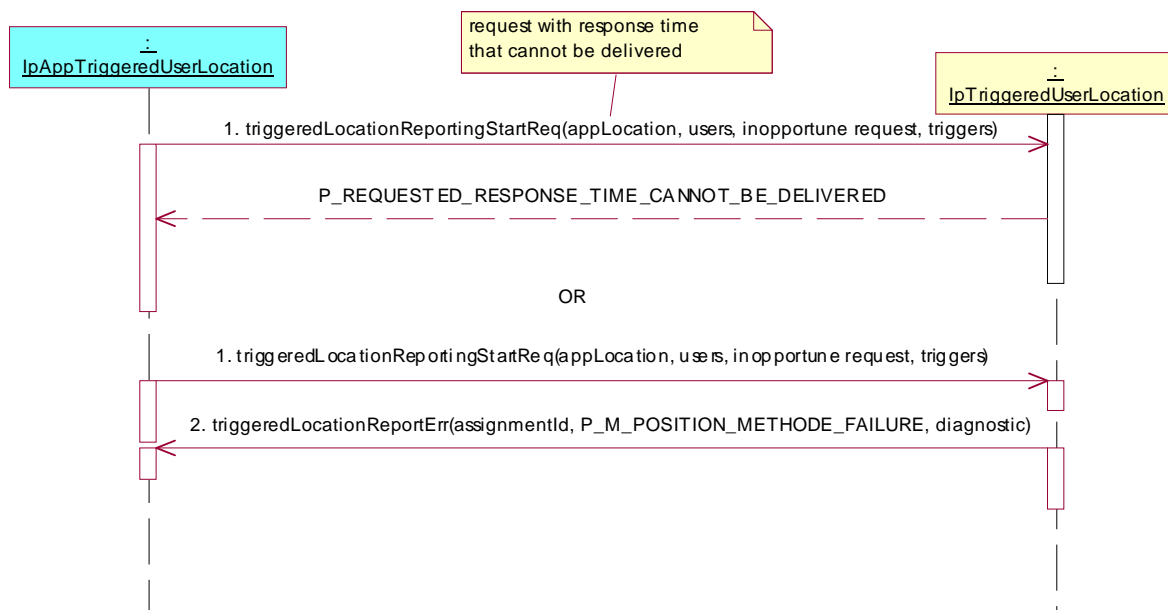
Preamble: Registration of the IUT (User Location SCF) and the tester (application) to the framework. The tester
                must have obtained a reference to an instance of the IpTriggeredUserLocation interface through
                selecting that service and signing the required service agreement.

Test Sequence:

1.   Method call **triggeredLocationReportingStartReq ()**
      Parameters: appLocation, users, request with response time that cannot be delivered, triggers
      Check: P_REQUESTED_RESPONSE_TIME_CANNOT_BE_DELIVERED is returned, or
                     triggeredLocationReportErr() with P_M_POSITION_METHOD_FAILURE value of
                     TpMobilityError is returned.

Test M_TUL_17

Summary: triggeredLocationReportingStartReq, P_TRIGGER_CONDITIONS_NOT_SUBSCRIBED

Reference: ES 201 915-6 [1], clause 8.1
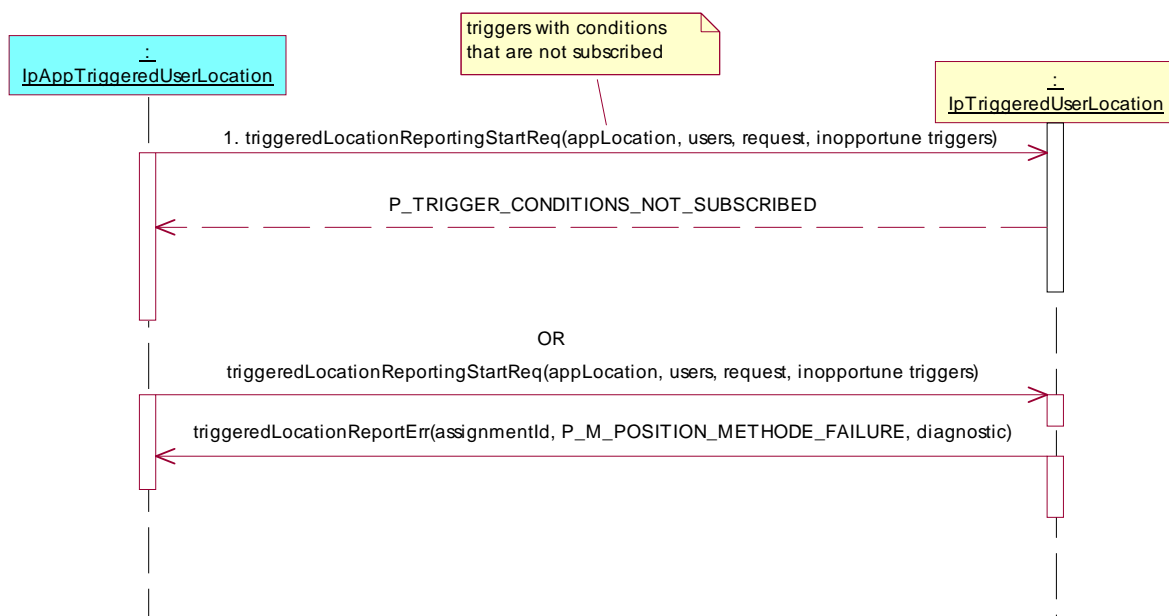
Preamble: Registration of the IUT (User Location SCF) and the tester (application) to the framework. The tester
                  must have obtained a reference to an instance of the IpTriggeredUserLocation interface through
                  selecting that service and signing the required service agreement.

Test Sequence:

    1.   Method call **triggeredLocationReportingStartReq ()**
        Parameters: appLocation, users, request, triggers with conditions not subscribed
        Check: P_TRIGGER_CONDITIONS_NOT_SUBSCRIBED is returned, or
                       triggeredLocationReportErr() with P_M_POSITION_METHOD_FAILURE value of
                       TpMobilityError is returned.
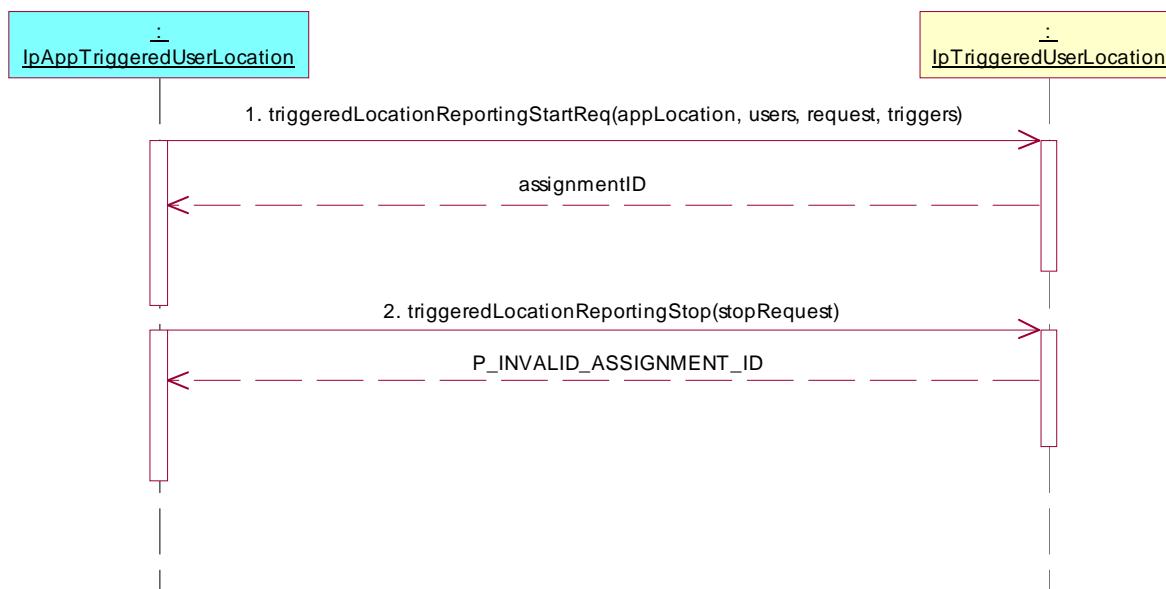
Test M_TUL_18

Summary: triggeredLocationReportingStop, P_INVALID_ASSIGNMENT_ID

Reference: ES 201 915-6 [1], clause 8.1

Preamble: Registration of the IUT (User Location SCF) and the tester (application) to the framework. The tester must have obtained a reference to an instance of the IpTriggeredUserLocation interface through selecting that service and signing the required service agreement.

Test Sequence:

1. Method call **triggeredLocationReportingStartReq()**
   Parameters: appLocation, users, request, triggers
   Check: valid value of TpSessionID is returned

2. Method call **triggeredLocationReportingStop ()**
   Parameters: invalid stopRequest
   Check: P_INVALID_ASSIGNMENT_ID, is returned.

5.2.2 User Location Camel

Test M_ULC_01

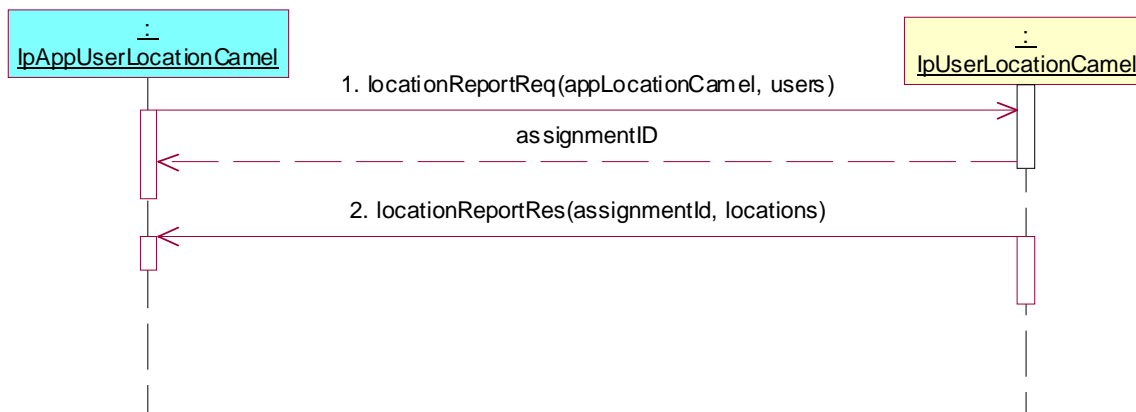Summary: all methods, successful

Reference: ES 201 915-6 [1], clause 8.2

Preamble: Registration of the IUT (User Location SCF) and the tester (application) to the framework. The tester must have obtained a reference to an instance of the IpUserLocationCamel interface through selecting that service and signing the required service agreement.

Selection Condition: locationReportReq() supported.

Test Sequence:

1. Method call **locationReportReq()**
   Parameters: appLocationCamel, users
   Check: valid value of TpSessionID is returned

2. Triggered action: cause IUT to call **locationReportRes()** method on the tester's (Application) **IpAppUserLocationCamel** interface.
   Parameters: assignmentId, locations

Test M_ULC_02

Summary: all methods, unknown or absent subscriber
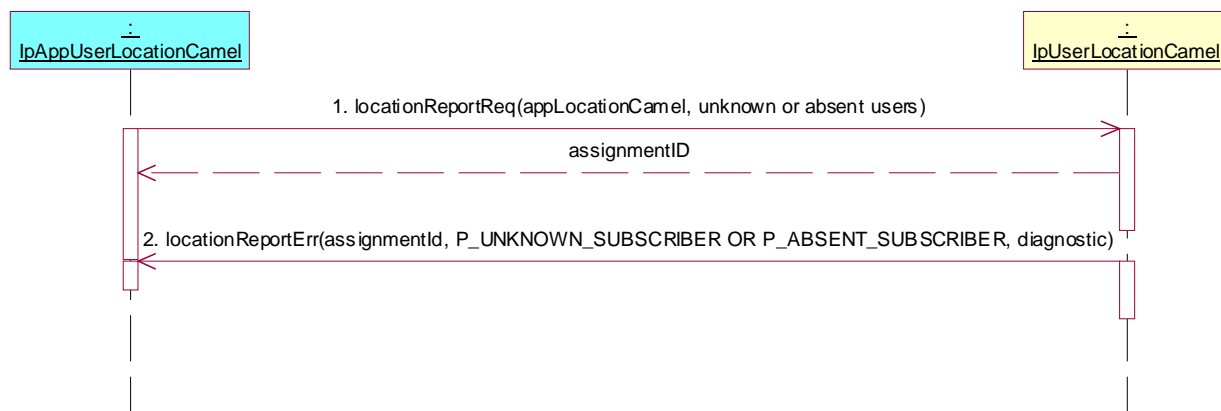
Reference: ES 201 915-6 [1], clause 8.2

Preamble: Registration of the IUT (User Location SCF) and the tester (application) to the framework. The tester must have obtained a reference to an instance of the IpUserLocationCamel interface through selecting that service and signing the required service agreement.

Selection Condition: locationReportReq() supported.

Test Sequence:

1. Method call **locationReportReq()**
   Parameters: appLocationCamel, users with unknown or absent subscriber
   Check: valid value of TpSessionID is returned

2. Triggered action: cause IUT to call **locationReportErr()** method on the tester's (Application) **IpAppUserLocationCamel** interface.
   Parameters: assignmentId, cause indicating P_M_UNKNOWN_SUBSCRIBER or P_ABSENT_SUBSCRIBER, diagnostic

Test M_ULC_03

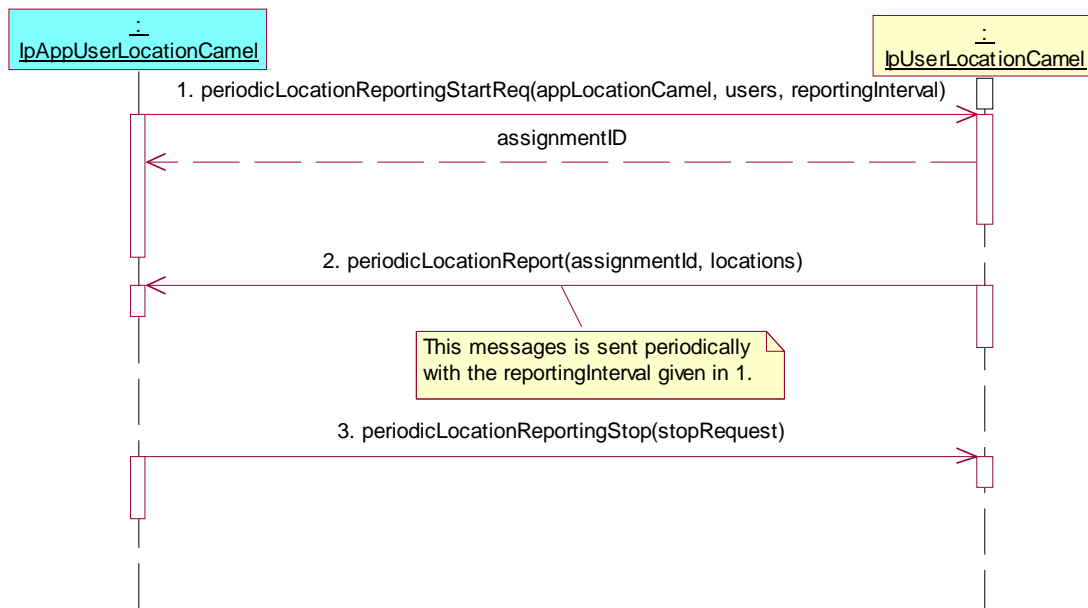Summary: all methods, successful

Reference: ES 201 915-6 [1], clause 8.2

Preamble: Registration of the IUT (User Location SCF) and the tester (application) to the framework. The tester must have obtained a reference to an instance of the IpUserLocationCamel interface through selecting that service and signing the required service agreement..

Selection Condition: periodicLocationReportingStartReq() supported.

Test Sequence:

1. Method call **periodicLocationReportingStartReq()**
   Parameters: appLocationCamel, users, reportingInterval
   Check: valid value of TpSessionID is returned

2. Triggered action: cause IUT to call **periodicLocationReport ()** method on the tester's (Application) **IpAppUserLocationCamel** interface.
   Parameters: assignmentId, locations
   Check: no exception is returned. This message is sending with correct reporting Interval given in 1.

3. Method call **periodicLocationReportingStop()**
   Parameters: stopRequest
   Check: no exception is returned. No periodicLocationReport is still triggered.

Test M_ULC_04

Summary: all methods, unknown or absent subscriber
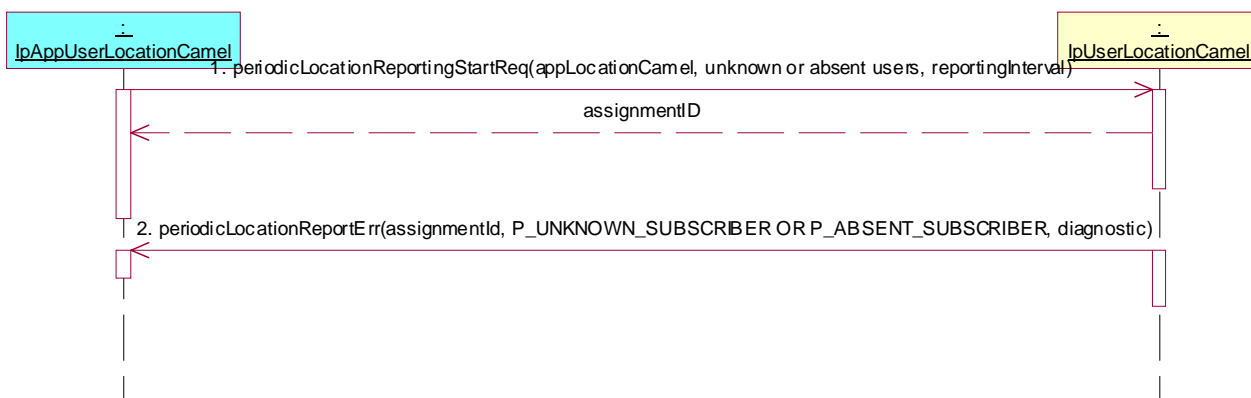
Reference: ES 201 915-6 [1], clause 8.2

Preamble: Registration of the IUT (User Location SCF) and the tester (application) to the framework. The tester must have obtained a reference to an instance of the IpUserLocationCamel interface through selecting that service and signing the required service agreement.

Selection Condition: periodicLocationReportingStartReq() supported.

Test Sequence:

1. Method call **periodicLocationReportingStartReq()**
   Parameters: appLocationCamel, users with unknown or absent subscriber, reportingInterval
   Check: valid value of TpSessionID is returned

2. Triggered action: cause IUT to call **periodicLocationReportErr ()** method on the tester's (Application) **IpAppUserLocationCamel** interface.
   Parameters: assignmentId, cause indicating P_M_UNKNOWN_SUBSCRIBER or P_ABSENT_SUBSCRIBER, diagnostic

Test M_ULC_05

Summary: periodicLocationReportingStartReq, P_INVALID_REPORTING_INTERVAL
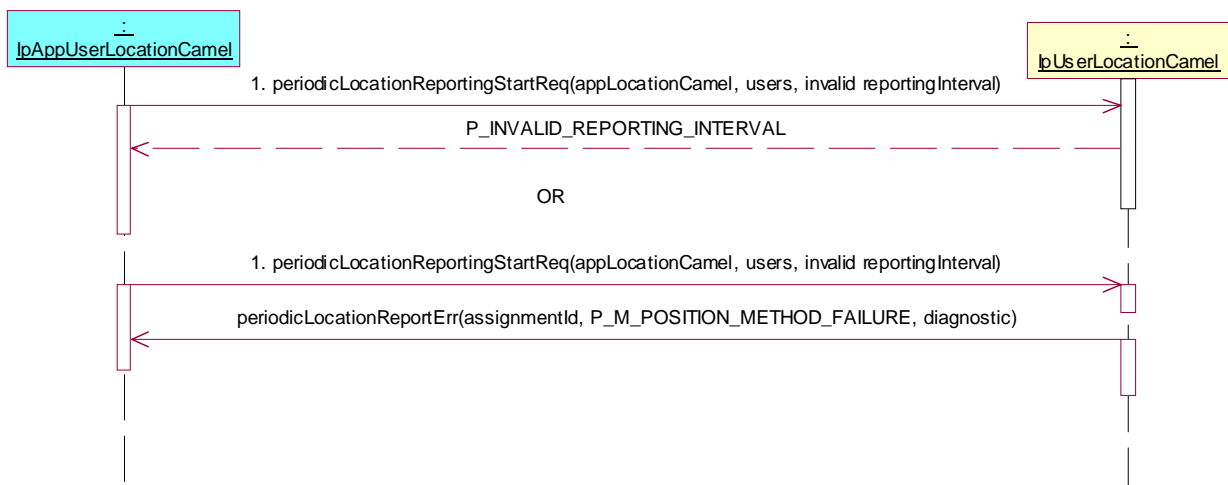
Reference: ES 201 915-6 [1], clause 8.2

Preamble: Registration of the IUT (User Location SCF) and the tester (application) to the framework. The tester
                  must have obtained a reference to an instance of the IpUserLocationCamel interface through selecting
                  that service and signing the required service agreement.

Selection Condition: periodicLocationReportingStartReq() supported.

Test Sequence:

1.   Method call **periodicLocationReportingStartReq ()**
     Parameters: appLocationCamel, users, invalid reportingInterval
     Check: P_INVALID_REPORTING_INTERVAL is returned, or periodicLocationReportErr() with
                       P_M_POSITION_METHOD_FAILURE value of TpMobilityError.

Test M_ULC_06

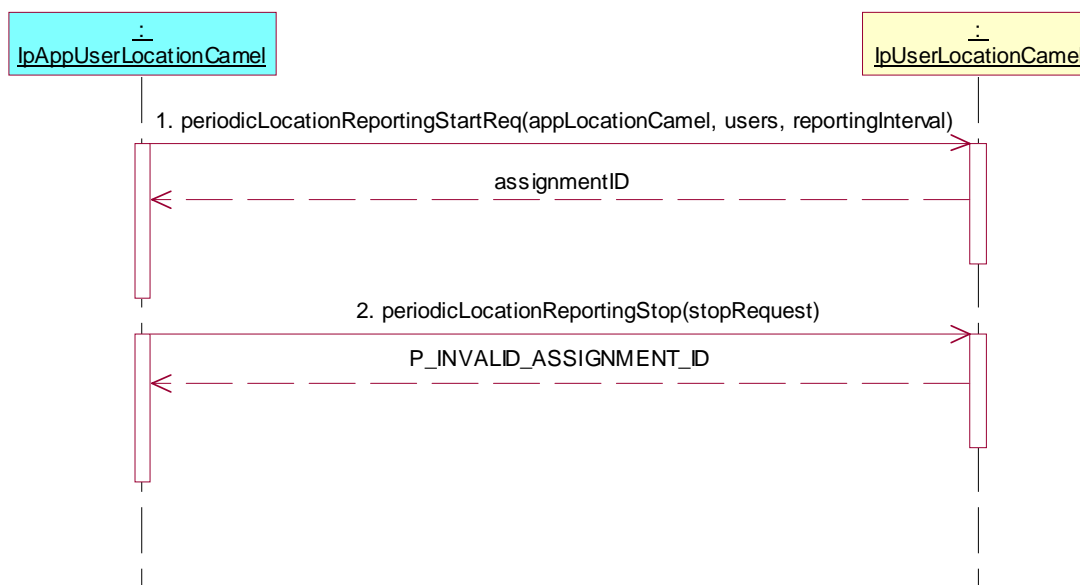Summary: periodicLocationReportingStop, P_INVALID_ASSIGNMENT_ID

Reference: ES 201 915-6 [1], clause 8.2

Preamble: Registration of the IUT (User Location SCF) and the tester (application) to the framework. The tester must have obtained a reference to an instance of the IpUserLocationCamel interface through selecting that service and signing the required service agreement.

Selection Condition: periodicLocationReportingStartReq() supported.

Test Sequence:

1. Method call **periodicLocationReportingStartReq()**
    Parameters: appLocationCamel, users, reportingInterval
    Check: valid value of TpSessionID is returned

2. Method call **periodicLocationReportingStop()**
    Parameters: invalid stopRequest
    Check: P_INVALID_ASSIGNMENT_ID, is returned.

Test M_ULC_07

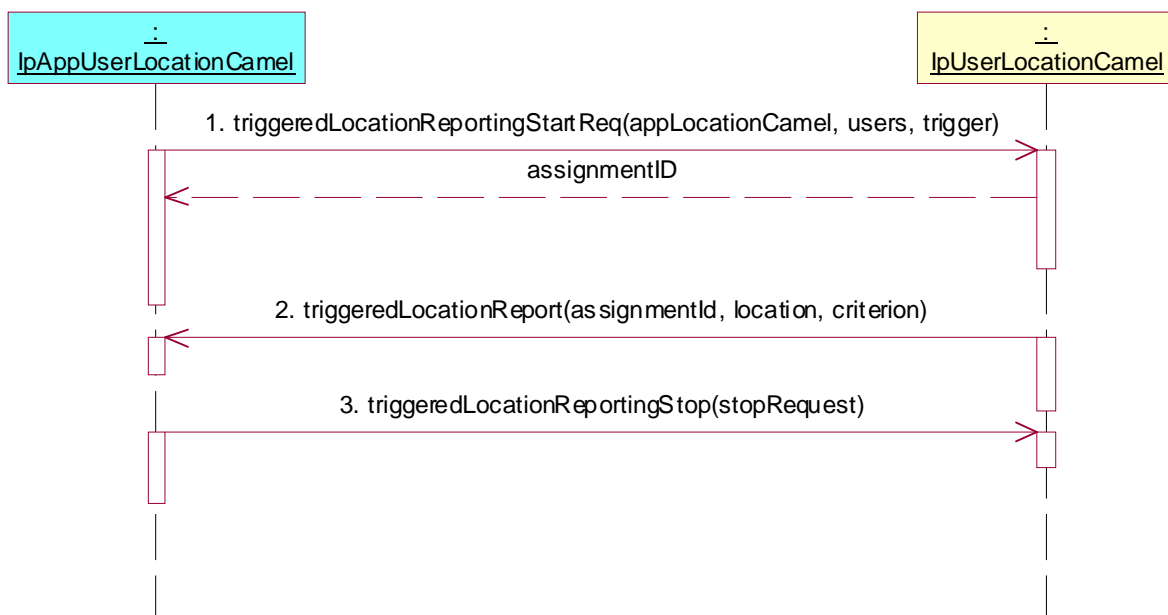Summary: all methods, successful

Reference: ES 201 915-6 [1], clause 8.2

Preamble: Registration of the IUT (User Location SCF) and the tester (application) to the framework. The tester must have obtained a reference to an instance of the IpUserLocationCamel interface through selecting that service and signing the required service agreement.

Selection Condition: triggeredLocationReportingStartReq() supported.

Test Sequence:

1. Method call **triggeredLocationReportingStartReq()**
    Parameters: appLocationCamel, users, trigger
    Check: valid value of TpSessionID is returned

2. Triggered action: cause IUT to call **triggeredLocationReport ()** method on the tester's (Application) **IpAppUserLocationCamel** interface.
    Parameters: assignmentId, location, criterion

3. Method call **triggeredLocationReportingStop()**
    Parameters: stoprequest
    Check: no exception is returned

Test M_ULC_08

Summary: all methods, unknown or absent subscriber

Reference: ES 201 915-6 [1], clause 8.2

Preamble: Registration of the IUT (User Location SCF) and the tester (application) to the framework. The tester must have obtained a reference to an instance of the IpUserLocationCamel interface through selecting that service and signing the required service agreement.

Selection Condition: triggeredLocationReportingStartReq() supported.

Test Sequence:

1.   Method call **triggeredLocationReportingStartReq()**
     Parameters: appLocationCamel, users with unknown or absent subscriber, trigger
     Check: valid value of TpSessionID is returned

2.   Triggered action: cause IUT to call **triggeredLocationReportErr ()** method on the tester's (Application) **IpAppUserLocationCamel** interface.
     Parameters: assignmentId, cause indicating P_M_UNKNOWN_SUBSCRIBER or P_ABSENT_SUBSCRIBER, diagnostic

Test M_ULC_10

Summary: triggeredLocationReportingStop, P_INVALID_ASSIGNMENT_ID
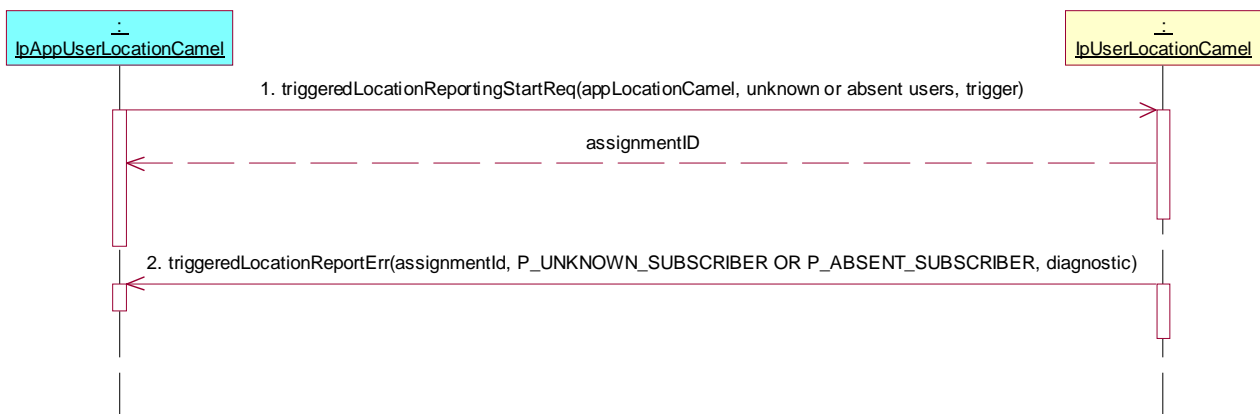
Reference: ES 201 915-6 [1], clause 8.2

Preamble: Registration of the IUT (User Location SCF) and the tester (application) to the framework. The tester must have obtained a reference to an instance of the IpUserLocationCamel interface through selecting that service and signing the required service agreement.

Selection Condition: triggeredLocationReportingStartReq() supported.

Test Sequence:

1. Method call **triggeredLocationReportingStartReq()**
    Parameters: appLocationCamel, users, trigger
    Check: valid value of TpSessionID is returned

2. Method call **triggeredLocationReportingStop ()**
    Parameters: invalid stopRequest
    Check: P_INVALID_ASSIGNMENT_ID, is returned.

5.2.3   User Location Emergency

Test M_ULE_01

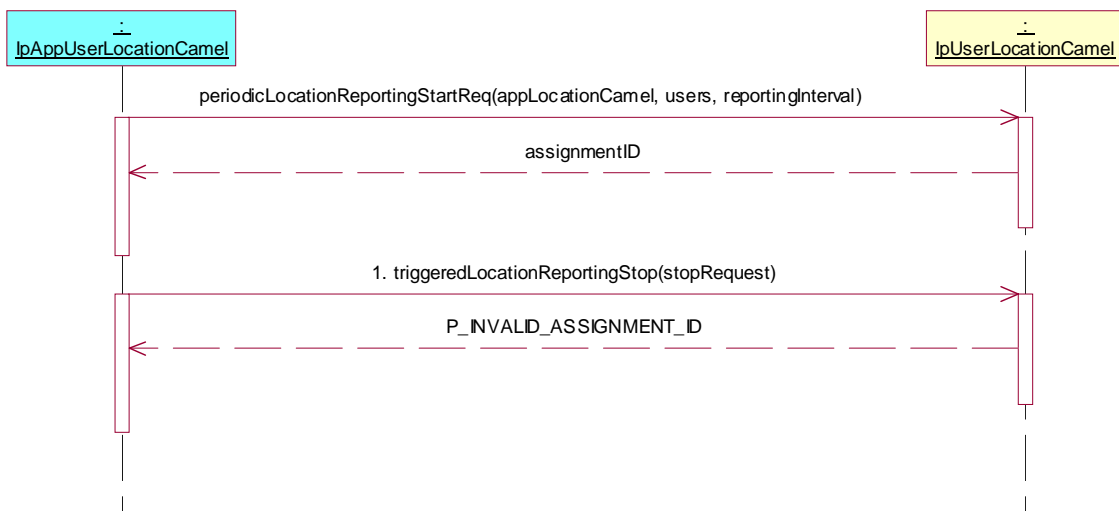Summary: all methods, successful

Reference: ES 201 915-6 [1], clause 8.3

Preamble: Registration of the IUT (User Location SCF) and the tester (application) to the framework. The tester
                must have obtained a reference to an instance of the IpUserLocationEmergency interface through
                selecting that service and signing the required service agreement.

Selection Condition: emergencyLocationReportReq() supported.

Test Sequence:

   1.   Method call **emergencyLocationReportReq()**
         Parameters: appEmergencyLocation, request
         Check: valid value of TpSessionID is returned

   2.   Triggered action: cause IUT to call **emergencyLocationReport()** method on the tester's (Application)
         IpAppUserLocationEmergency interface.
         Parameters: assignmentId, location

Test M_ULE_02

Summary: all methods, unknown or absent subscribe
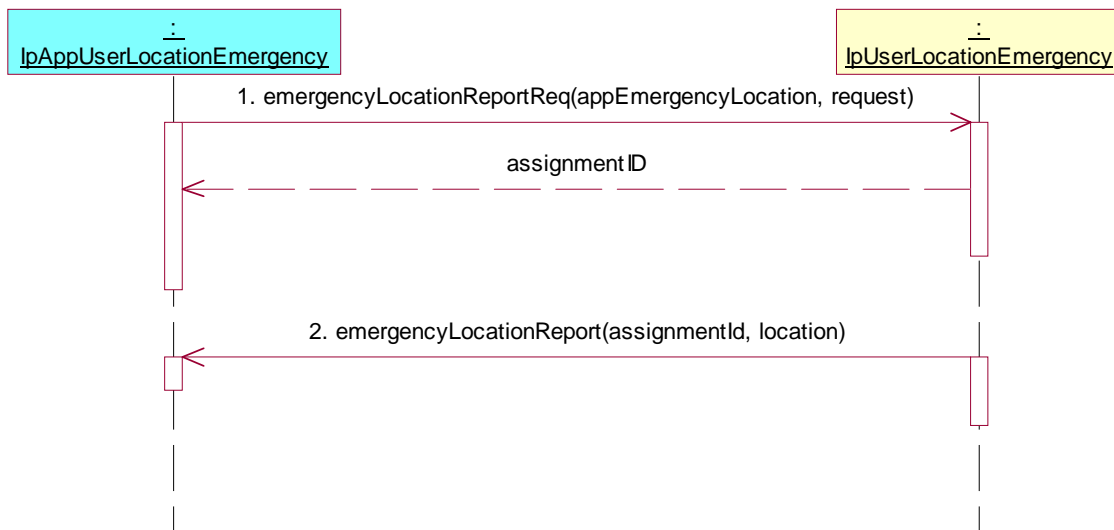
Reference: ES 201 915-6 [1], clause 8.3

Preamble: Registration of the IUT (User Location SCF) and the tester (application) to the framework. The tester must have obtained a reference to an instance of the IpUserLocationEmergency interface through selecting that service and signing the required service agreement.

Selection Condition: emergencyLocationReportReq() supported.

Test Sequence:

1.   Method call **emergencyLocationReportReq()**
     Parameters: appEmergencyLocation, request with unknown or absent subscriber
     Check: valid value of TpSessionID is returned

2.   Triggered action: cause IUT to call **emergencyLocationReportErr()** method on the tester's (Application) **IpAppUserLocationEmergency** interface.
     Parameters: assignmentId, cause indicating P_M_UNKNOWN_SUBSCRIBER or P_ABSENT_SUBSCRIBER, diagnostic

Test M_ULE_03

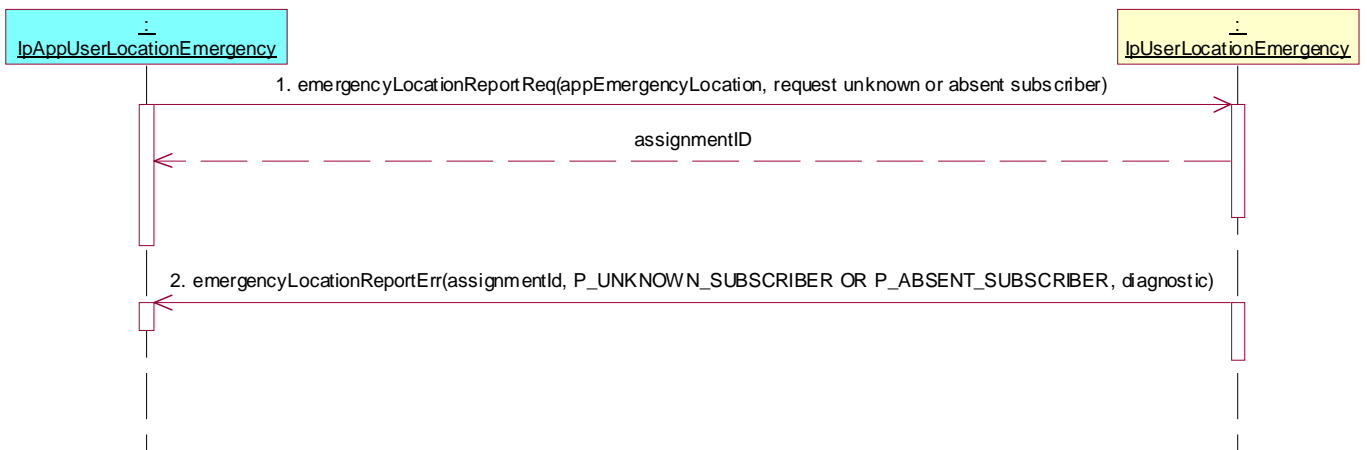Summary: all methods, successful

Reference: ES 201 915-6 [1], clause 8.3

Preamble: Registration of the IUT (User Location SCF) and the tester (application) to the framework. The tester must have obtained a reference to an instance of the IpUserLocationEmergency interface through selecting that service and signing the required service agreement.

Selection Condition: subscribeEmergencyLocationReports() supported.

Test Sequence:

1. Method call **subscribeEmergencyLocationReports()**
    Parameters: appEmergencyLocation
    Check: valid value of TpSessionID is returned

2. Triggered action: cause IUT to call **emergencyLocationReport ()** method on the tester's (Application) **IpAppUserLocationEmergency** interface.
    Parameters: assignmentId, locations

3. Method call **unSubsribeEmergencyLocationReports()**
    Parameters: assignmentId
    Check: no exception is returned. No emergencyLocationReport is still triggered.

Test M_ULE_04

Summary: unSubsribeEmergencyLocationReports, P_INVALID_ASSIGNMENT_ID
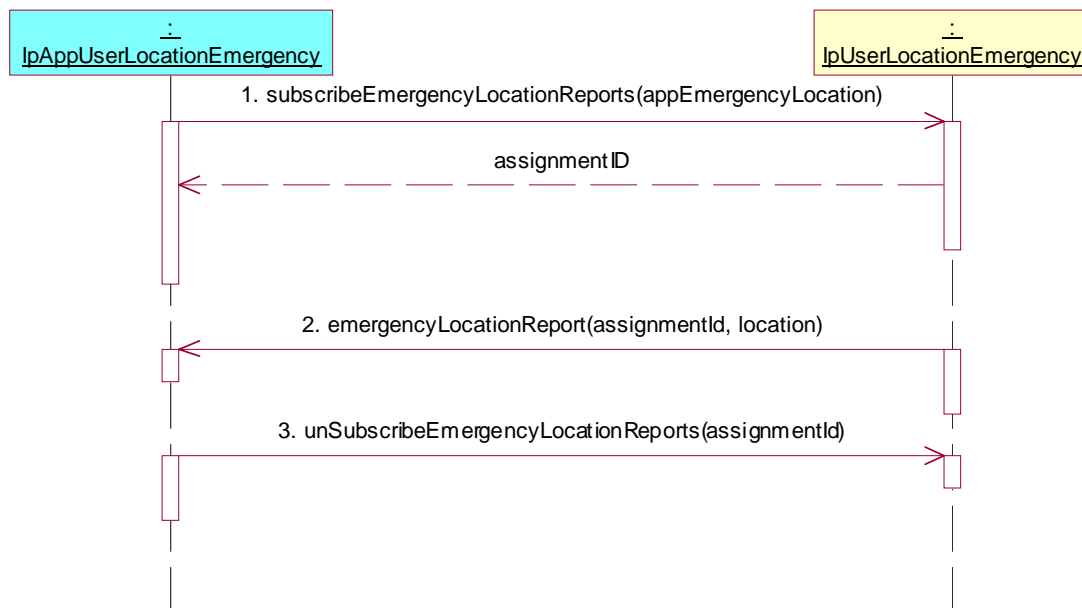
Reference: ES 201 915-6 [1], clause 8.3

Preamble: Registration of the IUT (User Location SCF) and the tester (application) to the framework. The tester must have obtained a reference to an instance of the IpUserLocationEmergency interface through selecting that service and signing the required service agreement.

Selection Condition: subscribeEmergencyLocationReports() supported.

Test Sequence:

1.   Method call **subscribeEmergencyLocationReports()**
     Parameters: appEmergencyLocation
     Check: valid value of TpSessionID is returned

2.   Method call **unSubsribeEmergencyLocationReports()**
     Parameters: invalid assignmentId
     Check: P_INVALID_ASSIGNMENT_ID, is returned.

5.2.4 User status
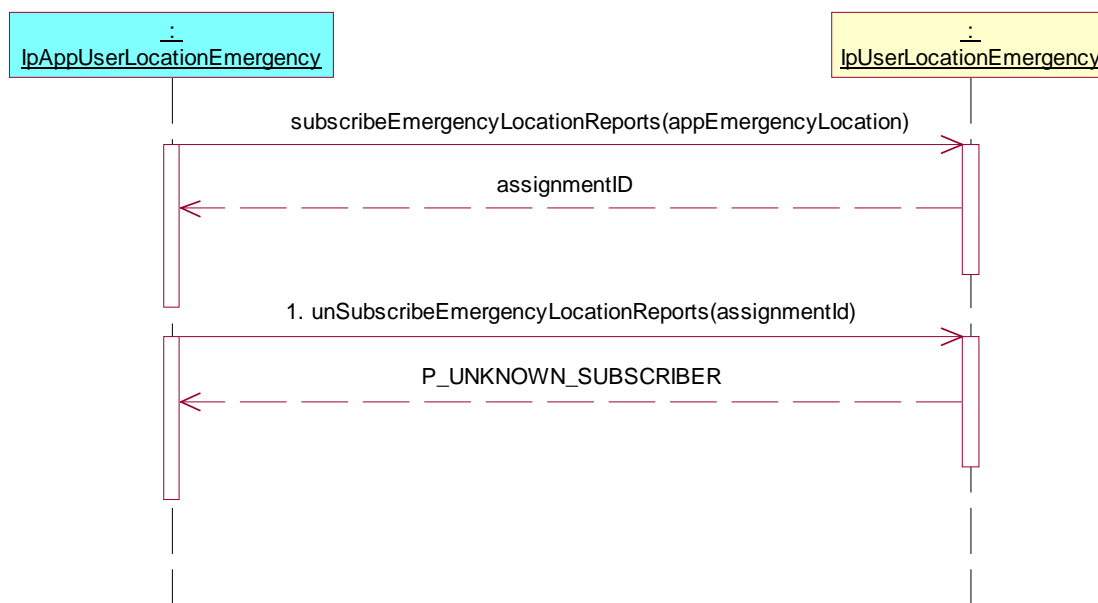
Test M_US_01

Summary: all methods, successful

Reference: ES 201 915-6 [1], clause 8.4

Preamble: Registration of the IUT (User Location SCF) and the tester (application) to the framework. The tester must have obtained a reference to an instance of the IpUserStatus interface through selecting that service and signing the required service agreement.

Selection Condition: statusReportReq() supported.

Test Sequence:

1. Method call **statusReportReq()**
   Parameters: appStatus, users
   Check: valid value of TpSessionID is returned

2. Triggered action: cause IUT to call **statusReportRes()** method on the tester's (Application) **IpAppUserStatus** interface.
   Parameters: assignmentId, status

Test M_US_02

Summary: all methods, unknown or absent subscriber
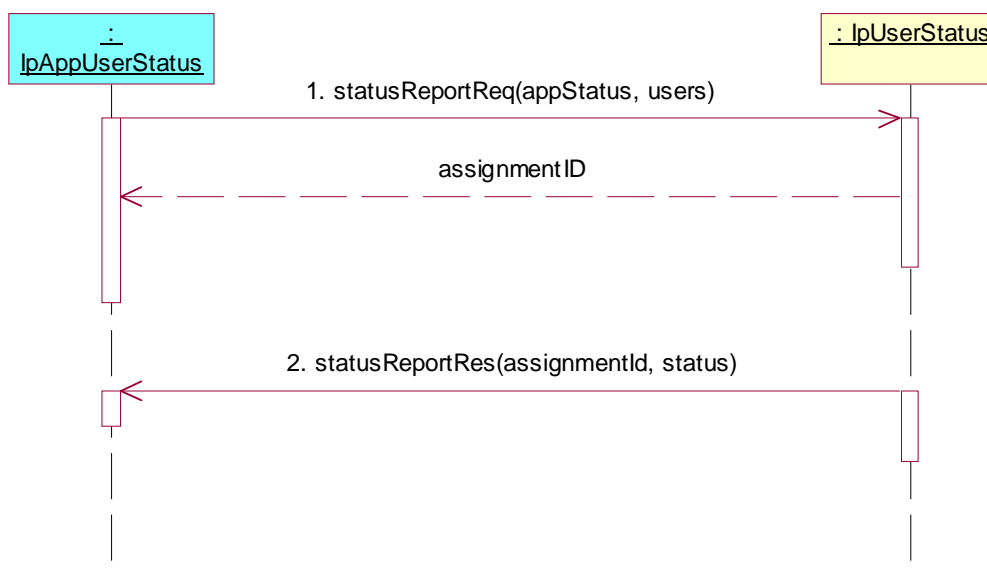
Reference: ES 201 915-6 [1], clause 8.4

Preamble: Registration of the IUT (User Location SCF) and the tester (application) to the framework. The tester must have obtained a reference to an instance of the IpUserStatus interface through selecting that service and signing the required service agreement.

Selection Condition: statusReportReq() supported.

Test Sequence:

1. Method call **statusReportReq()**
   Parameters: appStatus, users with unknown or absent subscriber
   Check: valid value of TpSessionID is returned

2. Triggered action: cause IUT to call **statusReportErr()** method on the tester's (Application) **IpAppUserStatus** interface.
   Parameters: assignmentId, cause indicating P_M_UNKNOWN_SUBSCRIBER or P_ABSENT_SUBSCRIBER, diagnostic

```
        :                                                          : IpUserStatus
   IpAppUserStatus

            |         1. statusReportReq(appStatus, unknown or absent users)    |
            |------------------------------------------------------------------>|
            |                                                                   |
            |                          assignmentID                             |
            |<- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - |
            |                                                                   |
            |                                                                   |
            | 2. statusReportErr(assignmentId, P_UNKNOWN_SUBSCRIBER OR P_ABSENT_SUBSCRIBER, diagnostic) |
            |<------------------------------------------------------------------|
            |                                                                   |
            |                                                                   |
            |                                                                   |
```

Test M_US_03
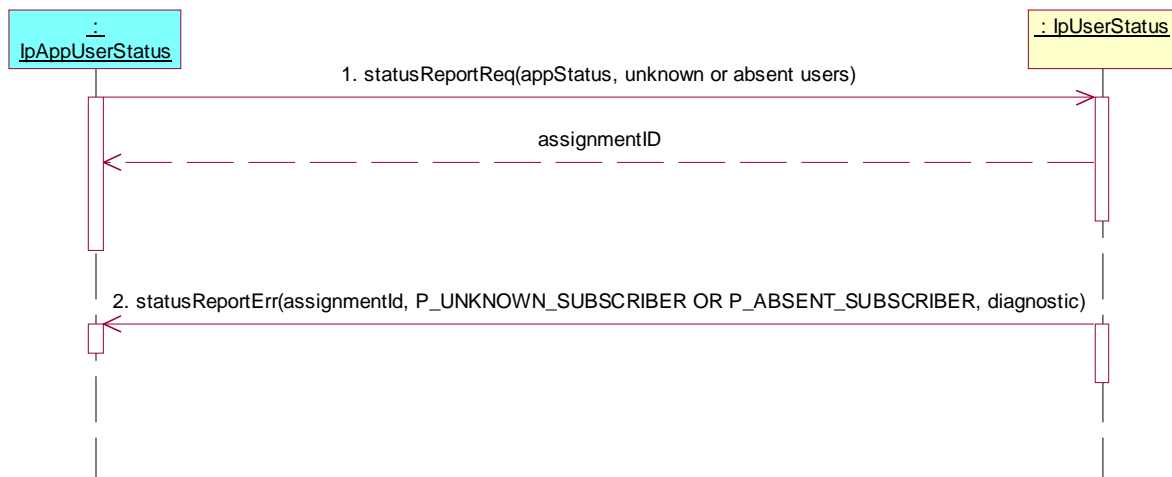
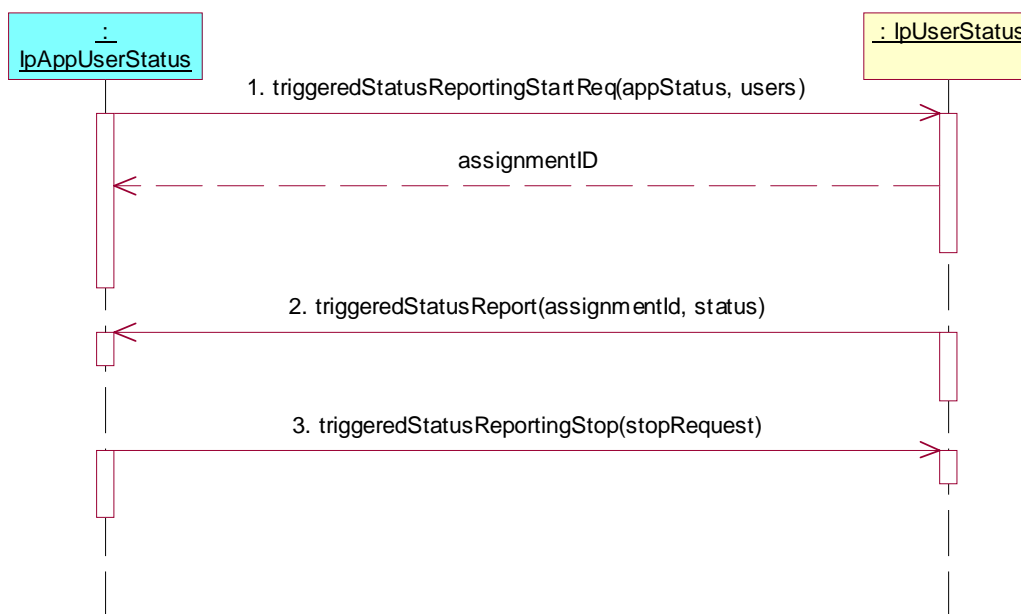Summary: all methods, successful

Reference: ES 201 915-6 [1], clause 8.4

Preamble: Registration of the IUT (User Location SCF) and the tester (application) to the framework. The tester must have obtained a reference to an instance of the IpUserStatus interface through selecting that service and signing the required service agreement.

Selection Condition: triggeredStatusReportingStartReq() supported.

Test Sequence:

1.   Method call **triggeredStatusReportingStartReq()**
      Parameters: appStatus, users
      Check: valid value of TpSessionID is returned

2.   Triggered action: cause IUT to call **triggeredStatusReport ()** method on the tester's (Application) **IpAppUserStatus** interface.
      Parameters: assignmentId, Status

3.   Method call **triggeredStatusReportingStop()**
      Parameters: stoprequest
      Check: no exception is returned. No more triggeredStatusReport() is returned

Test M_US_04

Summary: all methods, unknown or absent subscriber
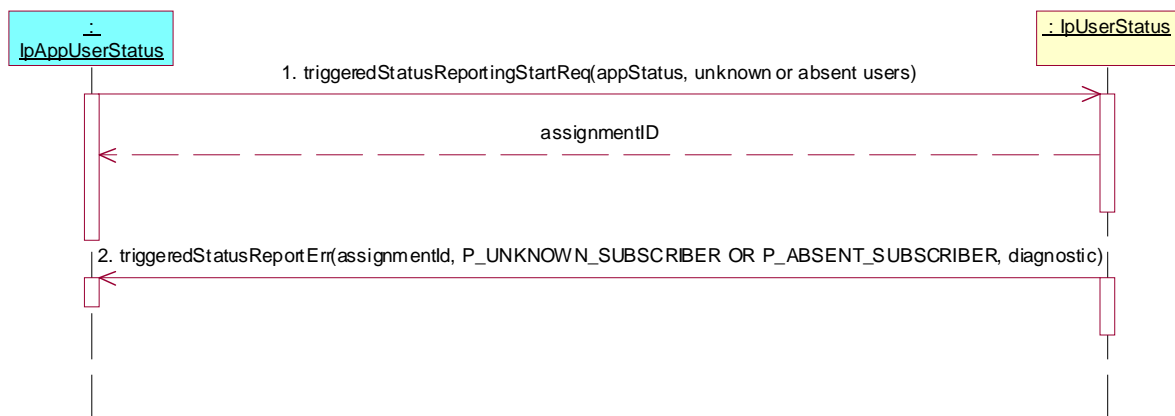
Reference: ES 201 915-6 [1], clause 8.4

Preamble: Registration of the IUT (User Location SCF) and the tester (application) to the framework. The tester must have obtained a reference to an instance of the IpUserStatus interface through selecting that service and signing the required service agreement.

Selection Condition: triggeredStatusReportingStartReq() supported.

Test Sequence:

1.   Method call **triggeredStatusReportingStartReq()**
        Parameters: appStatus, users with unknown or absent subscriber
        Check: valid value of TpSessionID is returned

2.   Triggered action: cause IUT to call **triggeredStatusReportErr()** method on the tester's (Application) **IpAppUserStatus** interface.
        Parameters: assignmentId, cause indicating P_M_UNKNOWN_SUBSCRIBER or P_ABSENT_SUBSCRIBER, diagnostic

Test M_US_05

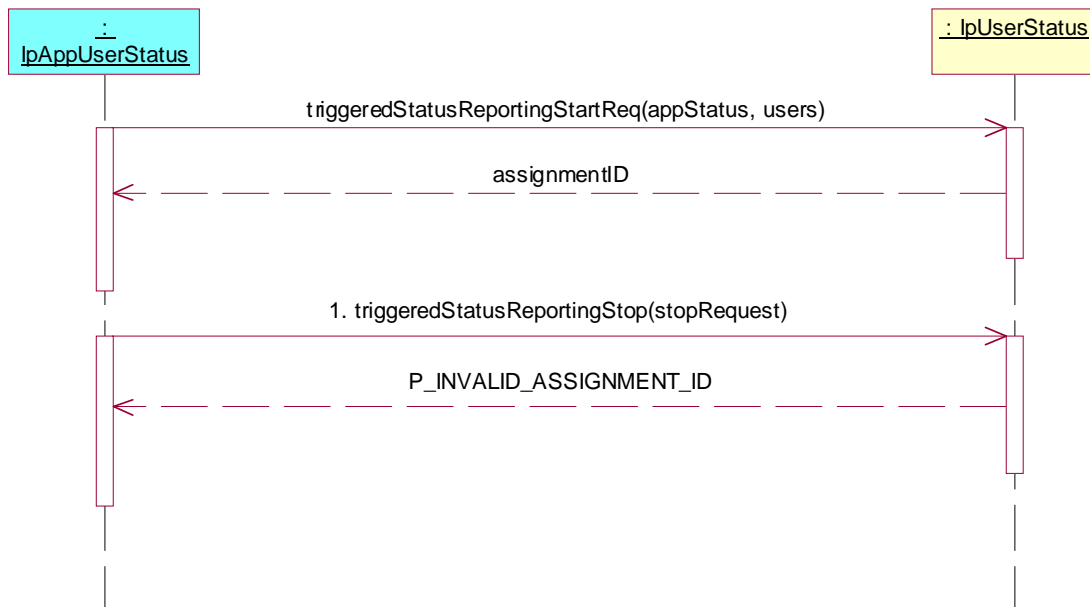Summary: triggeredStatusReportingStop, P_INVALID_ASSIGNMENT_ID

Reference: ES 201 915-6 [1], clause 8.4

Preamble: Registration of the IUT (User Location SCF) and the tester (application) to the framework. The tester
                  must have obtained a reference to an instance of the IpUserStatus interface through selecting that
                  service and signing the required service agreement.

Selection Condition: triggeredStatusReportingStartReq() supported.

Test Sequence:

1. Method call **triggeredStatusReportingStartReq()**
    Parameters: appStatus, users
    Check: valid value of TpSessionID is returned

2. Method call **triggeredStatusReportingStop ()**
    Parameters: invalid assignmentId
    Check: P_INVALID_ASSIGNMENT_ID exception is returned.

5.3   TPs for the application using the Mobility SCF

All PICS items referred to in this clause are as specified in ES 202 170 [2] unless indicated otherwise by another numbered reference.

All parameters specified in method calls are valid unless specified.

The procedures to trigger the application to call methods in the application are dependant on the underlying network architecture and are out of the scope of this test specification. Those method calls are preceded by the words "Triggered action".

5.3.1   User Location

5.3.1.1   IpAppUserLocation interface

Precondition: **IpAppUserLocation** interface implemented

Test M_APP_UL_01

Summary: request of report of location, successful
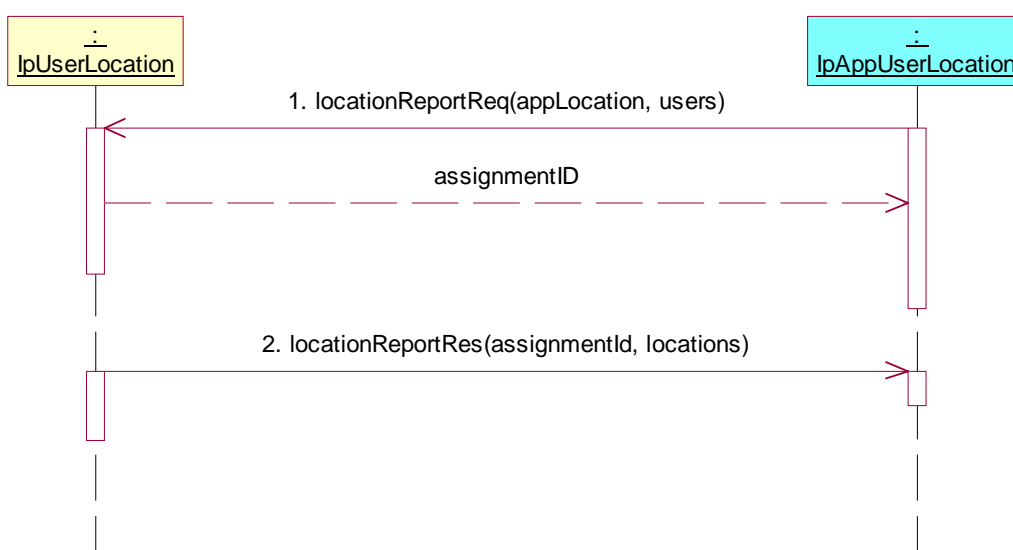
Reference: ES 201 915-6 [1], clause 8.1

Precondition: IUT capable of invoking **locationReportReq()**

Preamble: Registration of the IUT (application) and the tester (User Location SCF) to the framework. The tester
                 must have obtained a reference to an instance of the IpUserLocation interface through selecting that
                 service and signing the required service agreement.

Test Sequence:

1.   Triggered action: cause IUT to call **locationReportReq()** method on the tester's (SCF) **IpUserLocation**
     interface.
     Parameters: appLocation, users

2.   Method call **locationReportRes()**
     Parameters: assignmentId, locations
     Check: no exception is returned

Test M_APP_UL_02

Summary: request of report of location, unsuccessful

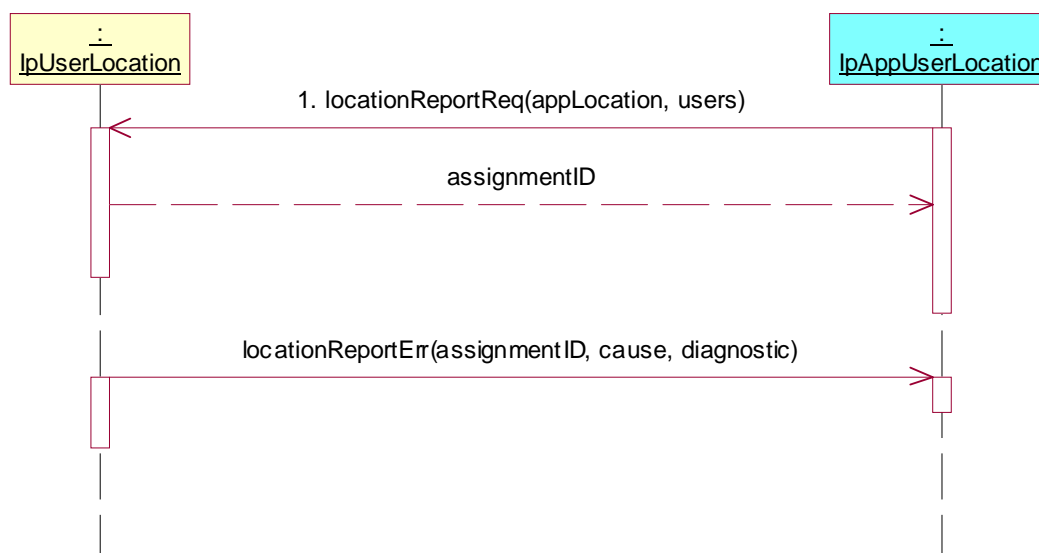Reference: ES 201 915-6 [1], clause 8.1

Precondition: IUT capable of invoking **locationReportReq()**

Selection: locationReportReq method supported - PICS item: [2] UL1

Preamble: Registration of the IUT (application) and the tester (User Location SCF) to the framework. The tester
              must have obtained a reference to an instance of the IpUserLocation interface through selecting that
              service and signing the required service agreement.

Test Sequence:

  1. Triggered action: cause IUT to call **locationReportReq()** method on the tester's (SCF) **IpUserLocation**
      interface.
      Parameters: appLocation, users

  2. Method call **locationReportErr()**
      Parameters: assignmentId, cause, diagnostic
      Check: no exception is returned

Test M_APP_UL_03

Summary: advanced request of report of location, successful
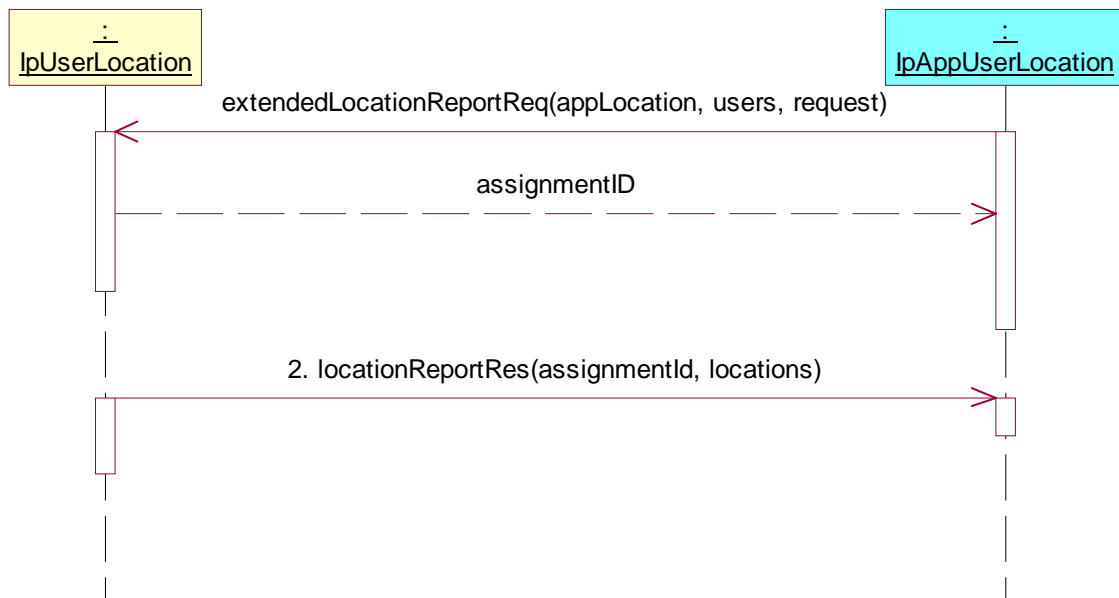
Reference: ES 201 915-6 [1], clause 8.1

Precondition: IUT capable of invoking **extendedLocationReportReq()**

Preamble: Registration of the IUT (application) and the tester (User Location SCF) to the framework. The tester
                  must have obtained a reference to an instance of the IpUserLocation interface through selecting that
                  service and signing the required service agreement.

Test Sequence:

1.   Triggered action: cause IUT to call **extendedLocationReportReq()** method on the tester's (SCF)
     IpUserLocation interface.
     Parameters: appLocation, users, request

2.   Method call **extendedLocationReportRes()**
     Parameters: assignmentId, locations
     Check: no exception is returned

Test M_APP_UL_04

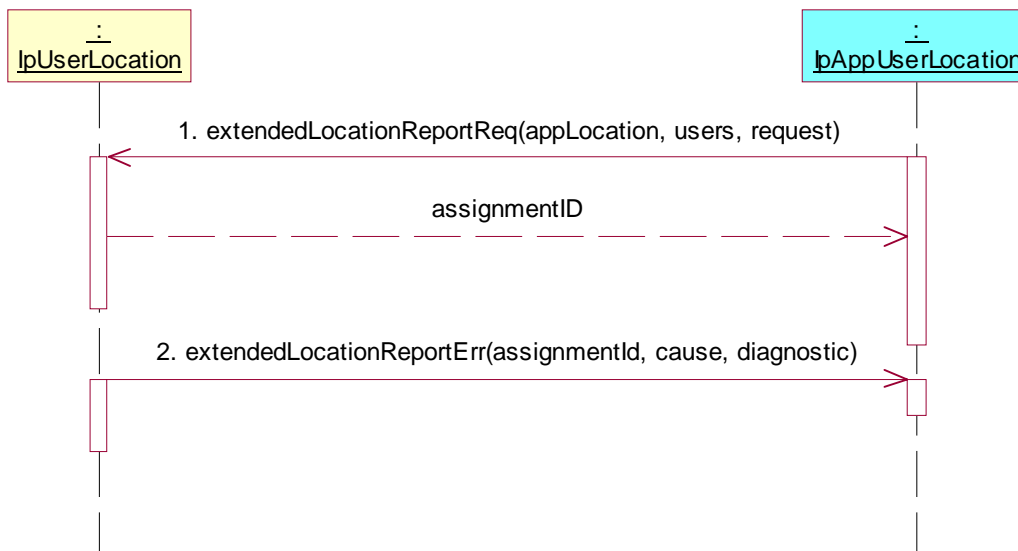Summary: advanced request of report of location, unsuccessful

Reference: ES 201 915-6 [1], clause 8.1

Precondition: IUT capable of invoking **extendedLocationReportReq()**

Preamble: Registration of the IUT (application) and the tester (User Location SCF) to the framework. The tester
               must have obtained a reference to an instance of the IpUserLocation interface through selecting that
               service and signing the required service agreement.

Test Sequence:

1. Triggered action: cause IUT to call **extendedLocationReportReq()** method on the tester's (SCF)
   IpUserLocation interface.
   Parameters: appLocation, users, request

2. Method call **extendedLocationReportErr()**
   Parameters: assignmentId, cause, diagnostic
   Check: no exception is returned

Test M_APP_UL_05

Summary: request for periodic reports of location, successful

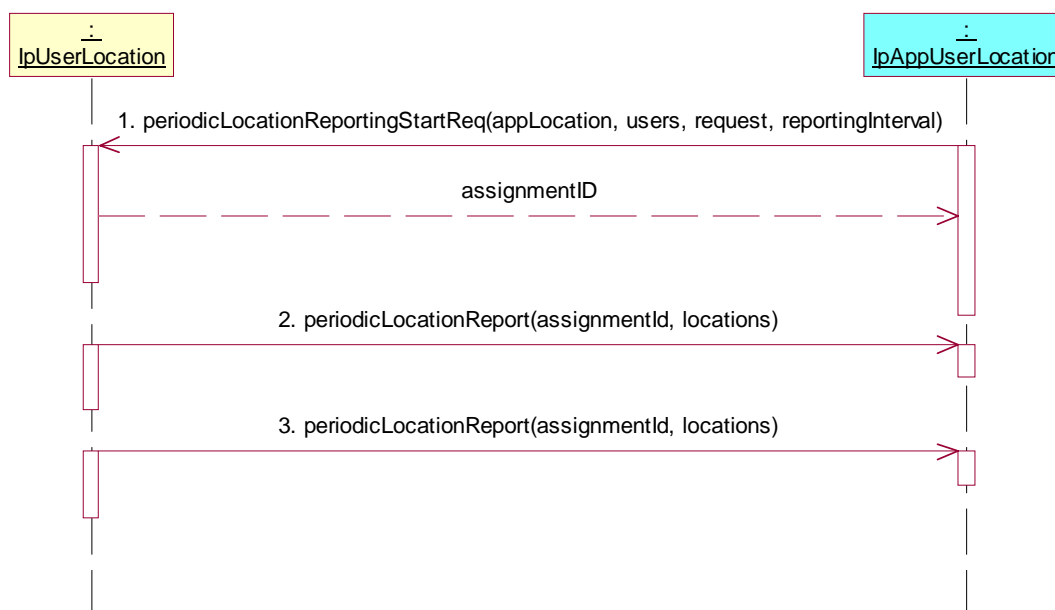Reference: ES 201 915-6 [1], clause 8.1

Precondition: IUT capable of invoking **periodicLocationReportingStartReq()**

Preamble: Registration of the IUT (application) and the tester (User Location SCF) to the framework. The tester
               must have obtained a reference to an instance of the IpUserLocation interface through selecting that
               service and signing the required service agreement.

Test Sequence:

1. Triggered action: cause IUT to call **periodicLocationReportingStartReq()** method on the tester's (SCF)
    IpUserLocation interface.
    Parameters: appLocation, users, request, reportingInterval

2. Method call **periodicLocationReport()**
    Parameters: assignmentId, locations
    Check: no exception is returned

NOTE: Repeat method call **periodicLocationReport()** with delays as specified in received reportingInterval.

Test M_APP_UL_06

Summary: start and stop of a request for periodic reports of location, successful

Reference: ES 201 915-6 [1], clause 8.1

Precondition: IUT capable of invoking **periodicLocationReportingStartReq()** and **periodicLocationReportingStop ()**
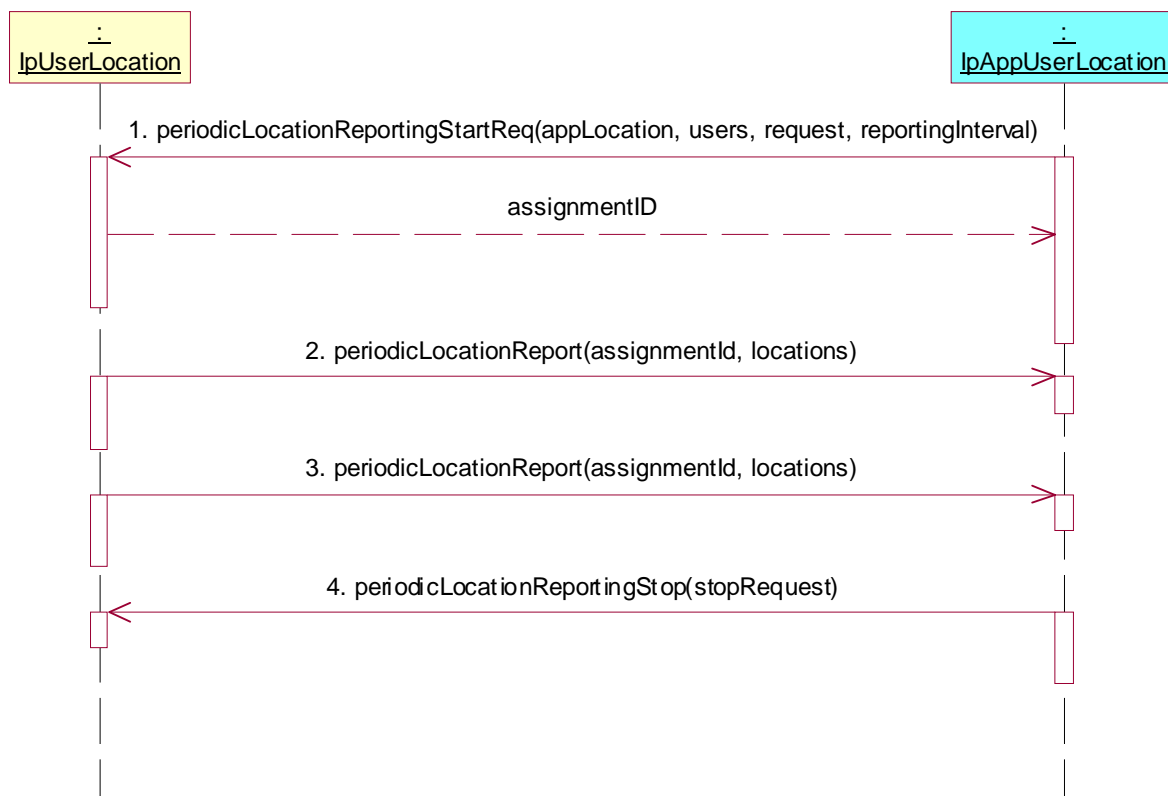
Preamble: Registration of the IUT (application) and the tester (User Location SCF) to the framework. The tester must have obtained a reference to an instance of the IpUserLocation interface through selecting that service and signing the required service agreement.

Test Sequence:

1. Triggered action: cause IUT to call **periodicLocationReportingStartReq()** method on the tester's (SCF) **IpUserLocation** interface.
   Parameters: appLocation, users, request, reportingInterval

2. Method call **periodicLocationReport()**
   Parameters: assignmentId, locations
   Check: no exception is returned

   NOTE: Repeat method call **periodicLocationReport()** with delays as specified in received reportingInterval.

4. Triggered action: cause IUT to call **periodicLocationReportingStop()** method on the tester's (SCF) **IpUserLocation** interface.
   Parameters: stopRequest

Test M_APP_UL_07

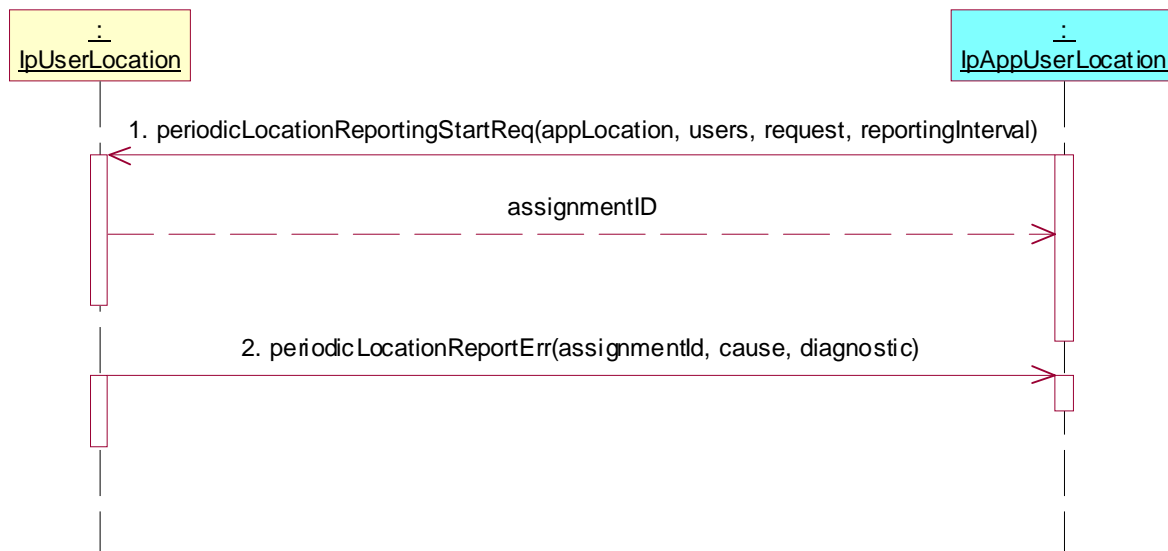Summary: request for periodic reports of location, unsuccessful

Reference: ES 201 915-6 [1], clause 8.1

Precondition: IUT capable of invoking **periodicLocationReportingStartReq()**

Preamble: Registration of the IUT (application) and the tester (User Location SCF) to the framework. The tester
               must have obtained a reference to an instance of the IpUserLocation interface through selecting that
               service and signing the required service agreement.

Test Sequence:

1.   Triggered action: cause IUT to call **periodicLocationReportingStartReq()** method on the tester's (SCF)
     IpUserLocation interface.
     Parameters: appLocation, users, request, reportingInterval

2.   Method call **periodicLocationReportErr()**
     Parameters: assignmentId, cause, diagnostic
     Check: no exception is returned

5.3.1.2 IpAppTrigerredUserLocation interface

Precondition: **IpAppTrigerredUserLocation** interface implemented

Test M_APP_TUL_01

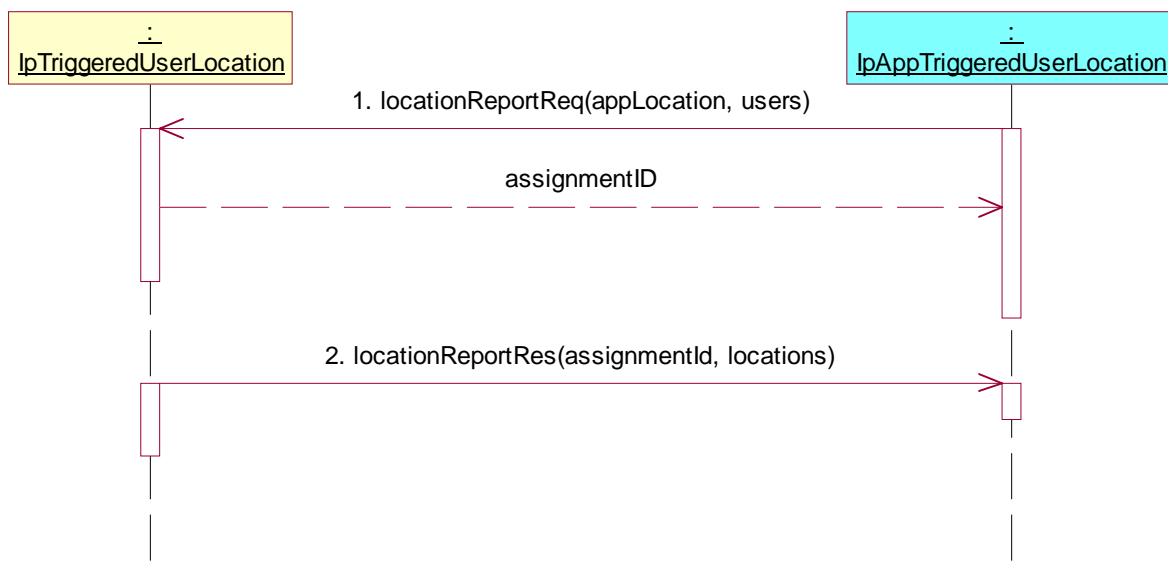Summary: request of report of location, successful

Reference: ES 201 915-6 [1], clause 8.1

Precondition: IUT capable of invoking **locationReportReq()**

Preamble: Registration of the IUT (application) and the tester (User Location SCF) to the framework. The tester must have obtained a reference to an instance of the IpTriggeredUserLocation interface through selecting that service and signing the required service agreement.

Test Sequence:

1. Triggered action: cause IUT to call **locationReportReq()** method on the tester's (SCF)
   IpTriggeredUserLocation interface.
   Parameters: appLocation, users

2. Method call **locationReportRes()**
   Parameters: assignmentId, locations
   Check: no exception is returned

Test M_APP_TUL_02

Summary: request of report of location, unsuccessful

Reference: ES 201 915-6 [1], clause 8.1
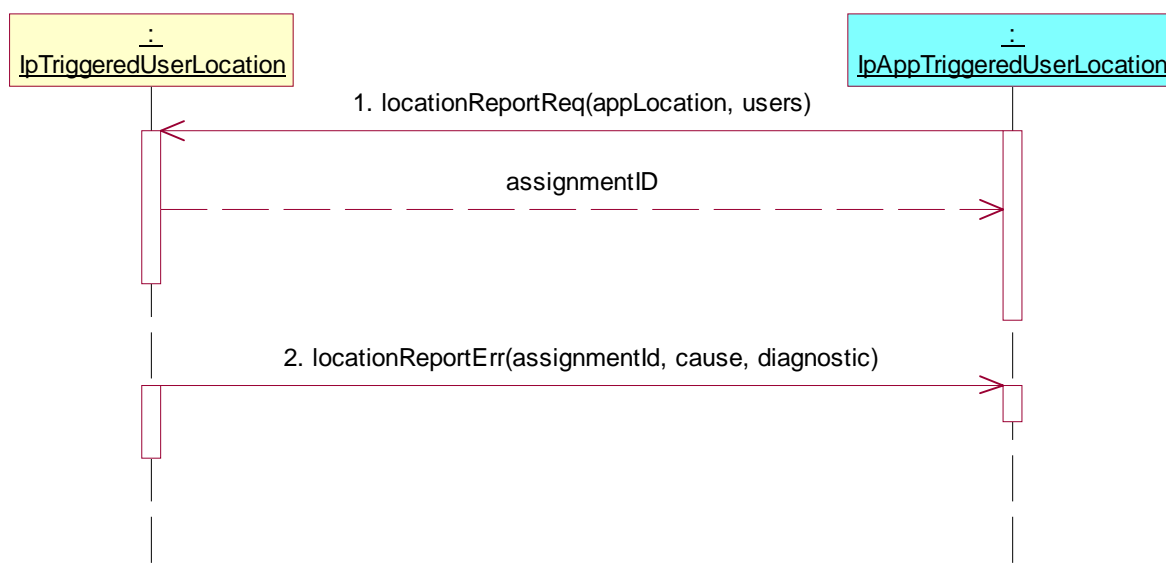
Precondition: IUT capable of invoking **locationReportReq()**

Selection: locationReportReq method supported - PICS item: [2] UL1

Preamble: Registration of the IUT (application) and the tester (User Location SCF) to the framework. The tester must have obtained a reference to an instance of the IpTriggeredUserLocation interface through selecting that service and signing the required service agreement.

Test Sequence:

1. Triggered action: cause IUT to call **locationReportReq()** method on the tester's (SCF) **IpTriggeredUserLocation** interface.
    Parameters: appLocation, users

2. Method call **locationReportErr()**
    Parameters: assignmentId, cause, diagnostic
    Check: no exception is returned

Test M_APP_TUL_03

Summary: advanced request of report of location, successful

Reference: ES 201 915-6 [1], clause 8.1

Precondition: IUT capable of invoking **extendedLocationReportReq()**

Preamble: Registration of the IUT (application) and the tester (User Location SCF) to the framework. The tester
                must have obtained a reference to an instance of the IpTriggeredUserLocation interface through
                selecting that service and signing the required service agreement.

Test Sequence:

1. Triggered action: cause IUT to call **extendedLocationReportReq()** method on the tester's (SCF)
    IpTriggeredUserLocation interface.
    Parameters: appLocation, users, request

2. Method call **extendedLocationReportRes()**
    Parameters: assignmentId, locations
    Check: no exception is returned

Test M_APP_TUL_04

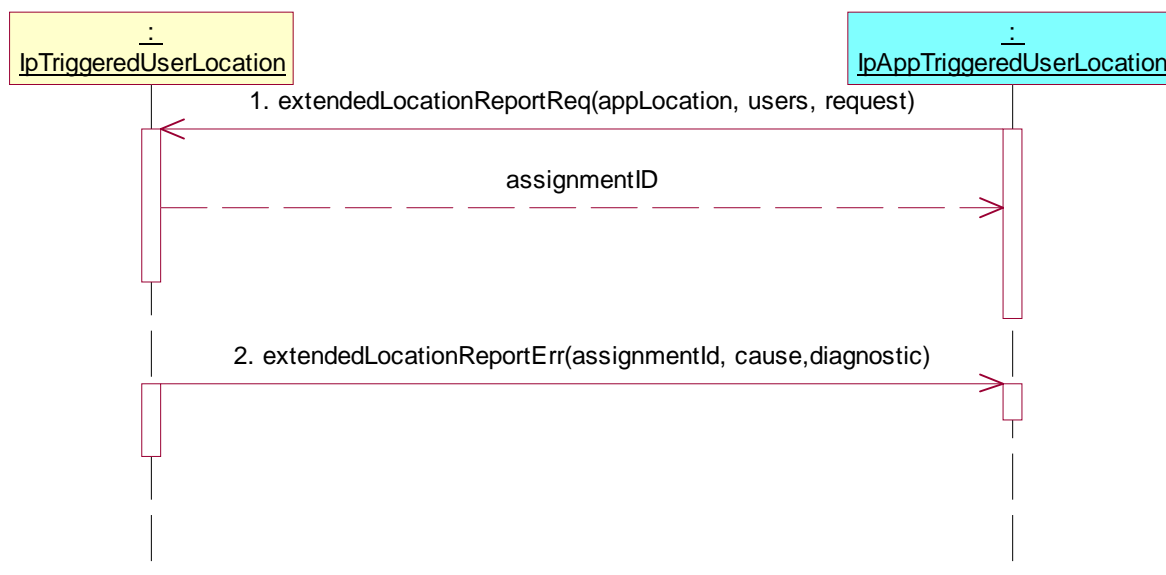Summary: advanced request of report of location, unsuccessful

Reference: ES 201 915-6 [1], clause 8.1

Precondition: IUT capable of invoking **extendedLocationReportReq()**

Preamble: Registration of the IUT (application) and the tester (User Location SCF) to the framework. The tester
                must have obtained a reference to an instance of the IpTriggeredUserLocation interface through
                selecting that service and signing the required service agreement.

Test Sequence:

1. Triggered action: cause IUT to call **extendedLocationReportReq()** method on the tester's (SCF)
   IpTriggeredUserLocation interface.
   Parameters: appLocation, users, request

2. Method call **extendedLocationReportErr()**
   Parameters: assignmentId, cause, diagnostic
   Check: no exception is returned

Test M_APP_TUL_05

Summary: request for periodic reports of location, successful

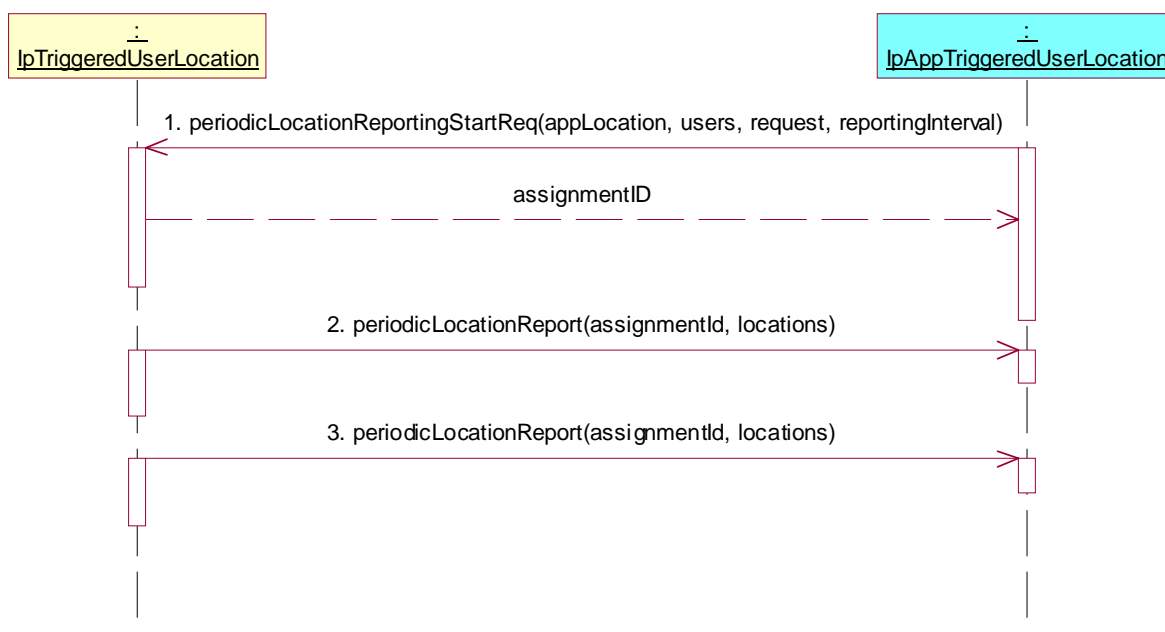Reference: ES 201 915-6 [1], clause 8.1

Precondition: IUT capable of invoking **periodicLocationReportingStartReq()**

Preamble: Registration of the IUT (application) and the tester (User Location SCF) to the framework. The tester
                must have obtained a reference to an instance of the IpTriggeredUserLocation interface through
                selecting that service and signing the required service agreement.

Test Sequence:

1. Triggered action: cause IUT to call **periodicLocationReportingStartReq()** method on the tester's (SCF)
    IpTriggeredUserLocation interface.
    Parameters: appLocation, users, request, reportingInterval

2. Method call **periodicLocationReport()**
    Parameters: assignmentId, locations
    Check: no exception is returned

NOTE: Repeat method call **periodicLocationReport()** with delays as specified in received reportingInterval.

Test M_APP_TUL_06

Summary: start and stop of a request for periodic reports of location, successful

Reference: ES 201 915-6 [1], clause 8.1

Precondition: IUT capable of invoking **periodicLocationReportingStartReq()** and
                  periodiclocationReportingStopReq()
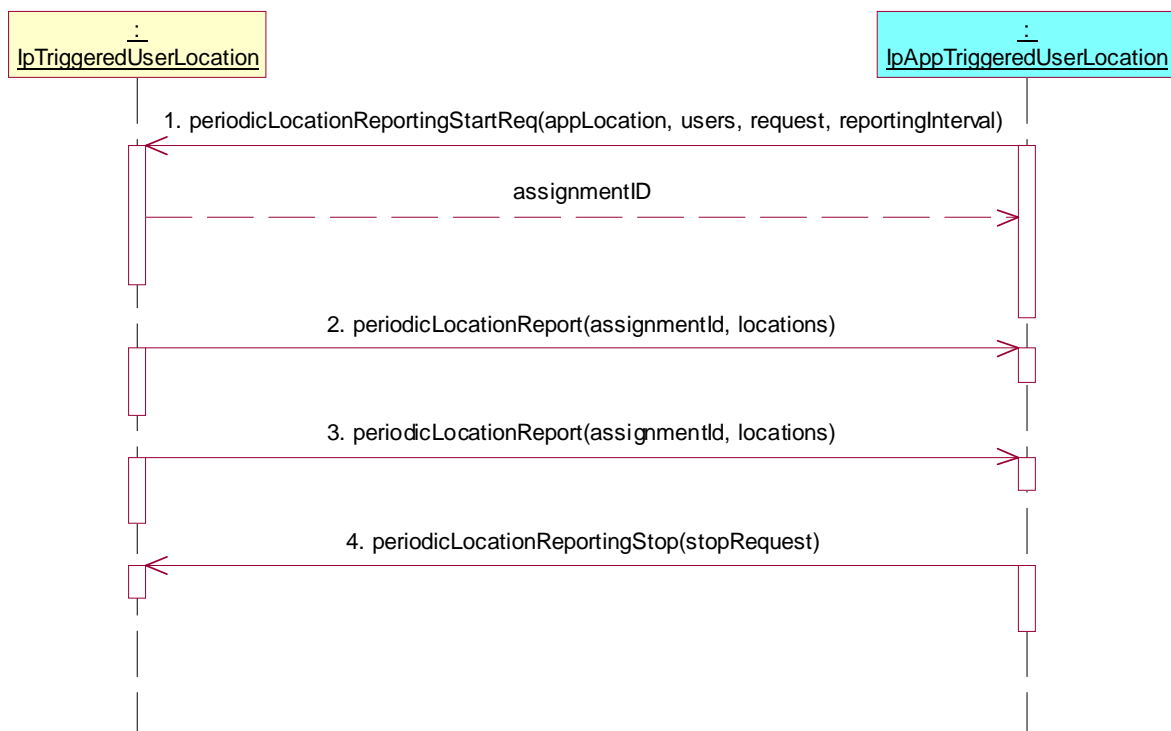
Preamble: Registration of the IUT (application) and the tester (User Location SCF) to the framework. The tester
                  must have obtained a reference to an instance of the IpTriggeredUserLocation interface through
                  selecting that service and signing the required service agreement.

Test Sequence:

1.   Triggered action: cause IUT to call **periodicLocationReportingStartReq()** method on the tester's (SCF)
     IpTriggeredUserLocation interface.
     Parameters: appLocation, users, request, reportingInterval

2.   Method call **periodicLocationReport()**
     Parameters: assignmentId, locations
     Check: no exception is returned

NOTE: Repeat method call **periodicLocationReport()** with delays as specified in received reportingInterval.

4.   Triggered action: cause IUT to call **periodicLocationReportingStop()** method on the tester's (SCF)
     IpTriggeredUserLocation interface.
     Parameters: stopRequest

Test M_APP_TUL_07

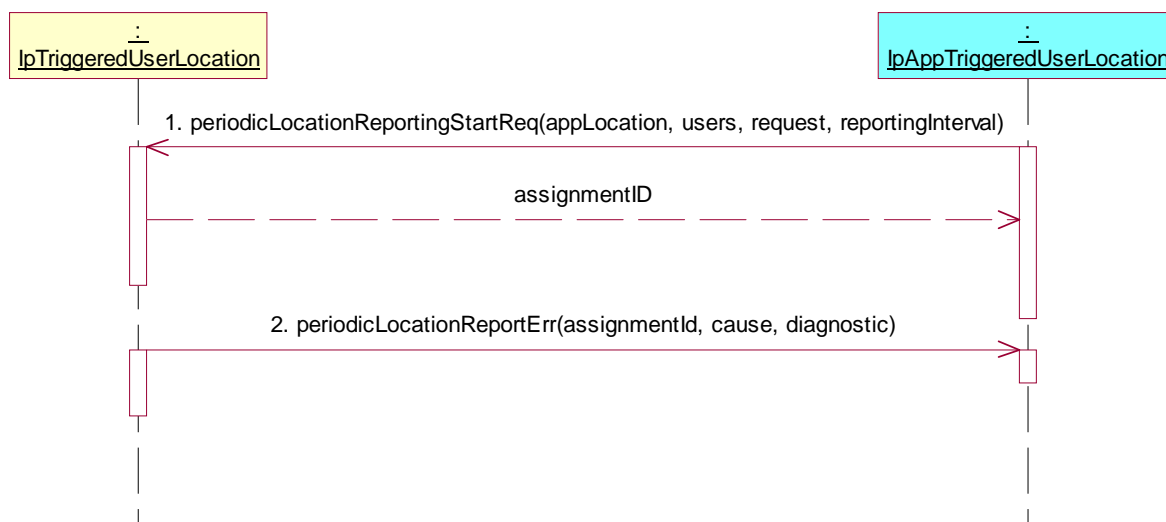Summary: request for periodic reports of location, unsuccessful

Reference: ES 201 915-6 [1], clause 8.1

Precondition: IUT capable of invoking **periodicLocationReportingStartReq()**

Preamble: Registration of the IUT (application) and the tester (User Location SCF) to the framework. The tester
               must have obtained a reference to an instance of the IpTriggeredUserLocation interface through
               selecting that service and signing the required service agreement.

Test Sequence:

1. Triggered action: cause IUT to call **periodicLocationReportingStartReq()** method on the tester's (SCF)
   IpTriggeredUserLocation interface.
   Parameters: appLocation, users, request, reportingInterval

2. Method call **periodicLocationReportErr()**
   Parameters: assignmentId, cause, diagnostics
   Check: no exception is returned

```
        ┌─────────────────────────┐                              ┌─────────────────────────┐
        │            :            │                              │            :            │
        │  IpTriggeredUserLocation │                              │ IpAppTriggeredUserLocation│
        └─────────────────────────┘                              └─────────────────────────┘
                     │        1. periodicLocationReportingStartReq(appLocation, users, request, reportingInterval)        │
                     │ ◄──────────────────────────────────────────────────────────────────────────────────────          │
                     │                                  assignmentID                                                      │
                     │ ──────────────────────────────────────────────────────────────────────────────────────► │
                     │                                                                                           │
                     │                   2. periodicLocationReportErr(assignmentId, cause, diagnostic)           │
                     │ ──────────────────────────────────────────────────────────────────────────────────────► │
                     │                                                                                           │
                     │                                                                                           │
                     │                                                                                           │
```

Test M_APP_TUL_08

Summary: request for triggered reports of location, successful

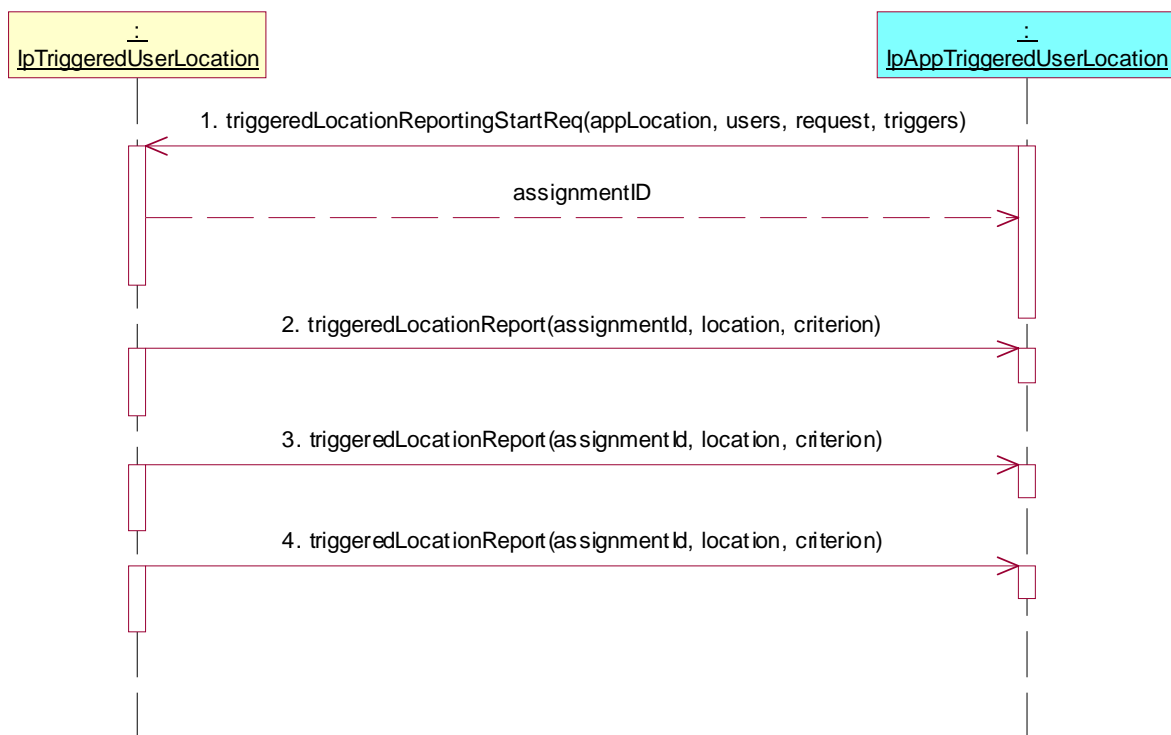Reference: ES 201 915-6 [1], clause 8.1

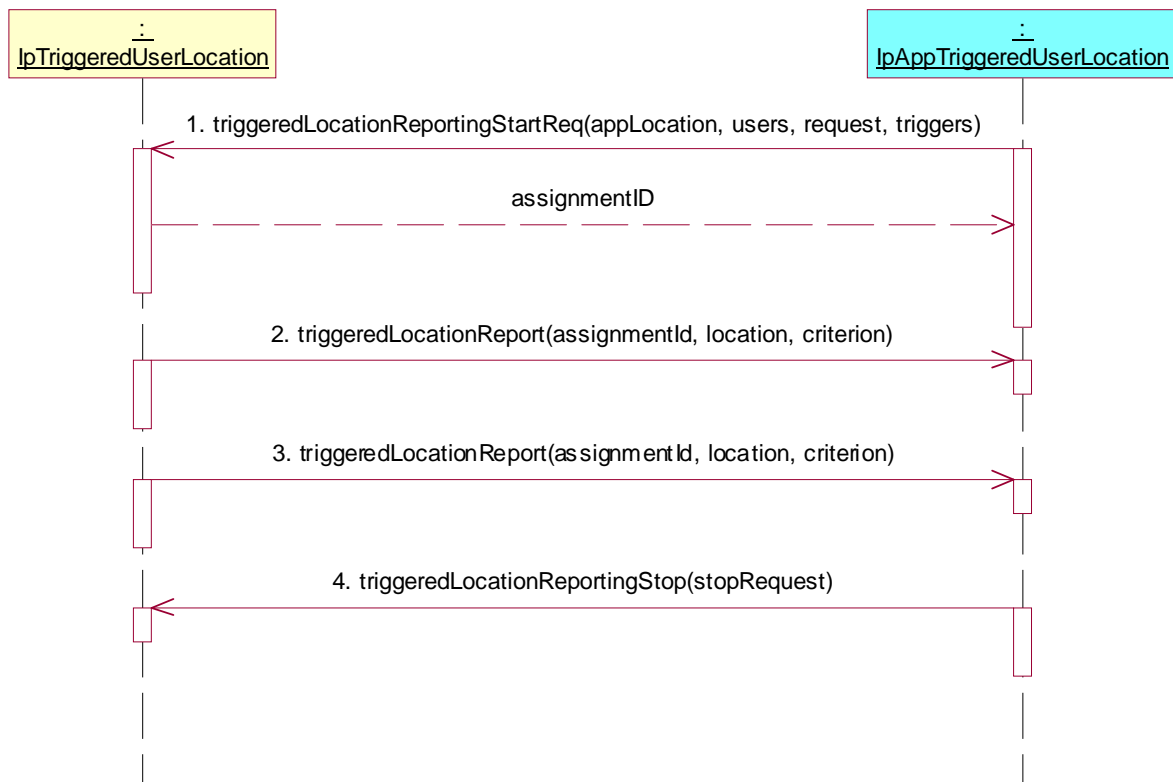Precondition: IUT capable of invoking **triggeredLocationReportingStartReq()**

Preamble: Registration of the IUT (application) and the tester (User Location SCF) to the framework. The tester must have obtained a reference to an instance of the IpTriggeredUserLocation interface through selecting that service and signing the required service agreement.

Test Sequence:

1. Triggered action: cause IUT to call **triggeredLocationReportingStartReq()** method on the tester's (SCF) **IpTriggeredUserLocation** interface.
    Parameters: appLocation, users, request, triggers

2. Method call **triggeredLocationReport()**
    Parameters: assignmentId, location, criterion
    Check: no exception is returned

NOTE: Repeat method call **triggeredLocationReport()** several times.

Test M_APP_TUL_09

Summary: start and stop of a request for triggered reports of location, successful

Reference: ES 201 915-6 [1], clause 8.1

Precondition: IUT capable of invoking **triggeredLocationReportingStartReq()** and
                triggeredlocationReportingStopReq()

Preamble: Registration of the IUT (application) and the tester (User Location SCF) to the framework. The tester
                must have obtained a reference to an instance of the IpTriggeredUserLocation interface through
                selecting that service and signing the required service agreement.

Test Sequence:

1. Triggered action: cause IUT to call **triggeredLocationReportingStartReq()** method on the tester's (SCF)
    IpTriggeredUserLocation interface.
    Parameters: appLocation, users, request, triggers

2. Method call **triggeredLocationReport()**
    Parameters: assignmentId, location, criterion
    Check: no exception is returned

NOTE: Repeat method call **triggeredLocationReport()** several times.

4. Triggered action: cause IUT to call **triggeredlocationReportingStopReq()** method on the tester's (SCF)
    IpTriggeredUserLocation interface.
    Parameters: stopRequest

Test M_APP_TUL_10

Summary: request for triggered reports of location, unsuccessful
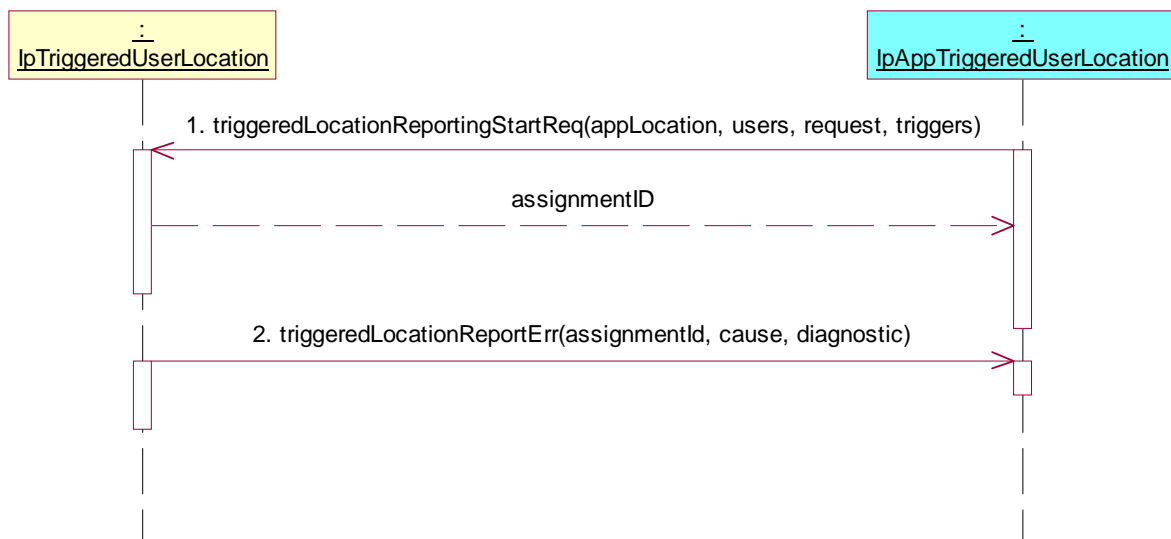
Reference: ES 201 915-6 [1], clause 8.1

Precondition: IUT capable of invoking **triggeredLocationReportingStartReq()**

Preamble: Registration of the IUT (application) and the tester (User Location SCF) to the framework. The tester must have obtained a reference to an instance of the IpTriggeredUserLocation interface through selecting that service and signing the required service agreement.

Test Sequence:

1. Triggered action: cause IUT to call **triggeredLocationReportingStartReq()** method on the tester's (SCF) **IpTriggeredUserLocation** interface.
   Parameters: appLocation, users, request, triggers

2. Method call **triggeredLocationReportErr()**
   Parameters: assignmentId, cause, diagnostic
   Check: no exception is returned

5.3.2   User Location Camel

Precondition: **IpAppUserLocationCamel** interface implemented

Test M_APP_ULC_01

Summary: request of report of location, successful
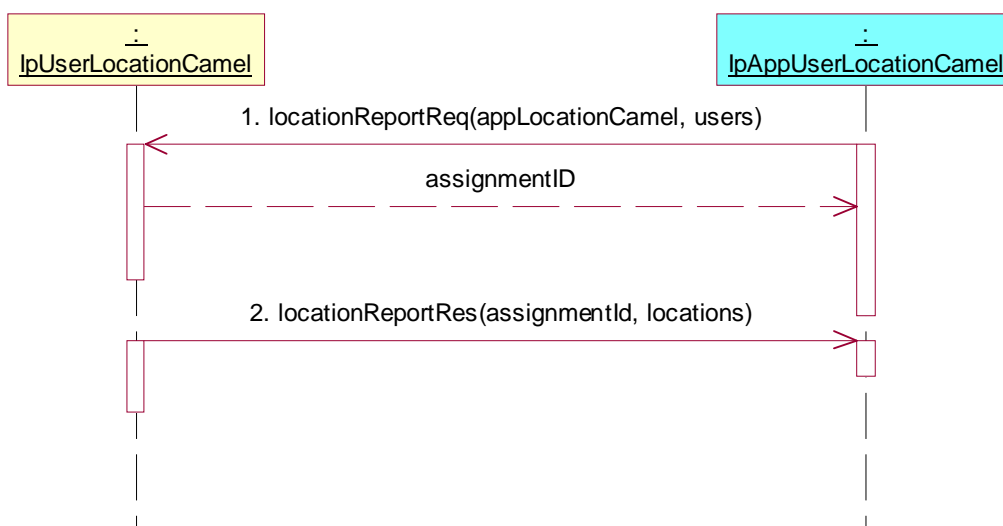
Reference: ES 201 915-6 [1], clause 8.1

Precondition: IUT capable of invoking **locationReportReq()**

Preamble: Registration of the IUT (application) and the tester (User Location SCF) to the framework. The tester
                 must have obtained a reference to an instance of the IpUserLocationCamel interface through selecting
                 that service and signing the required service agreement.

Test Sequence:

1.   Triggered action: cause IUT to call **locationReportReq()** method on the tester's (SCF) **IpUserLocationCamel**
     interface.
     Parameters: appLocationCamel, users

2.   Method call **locationReportRes()**
     Parameters: assignmentId, locations
     Check: no exception is returned

Test M_APP_ULC_02

Summary: request of report of location, unsuccessful

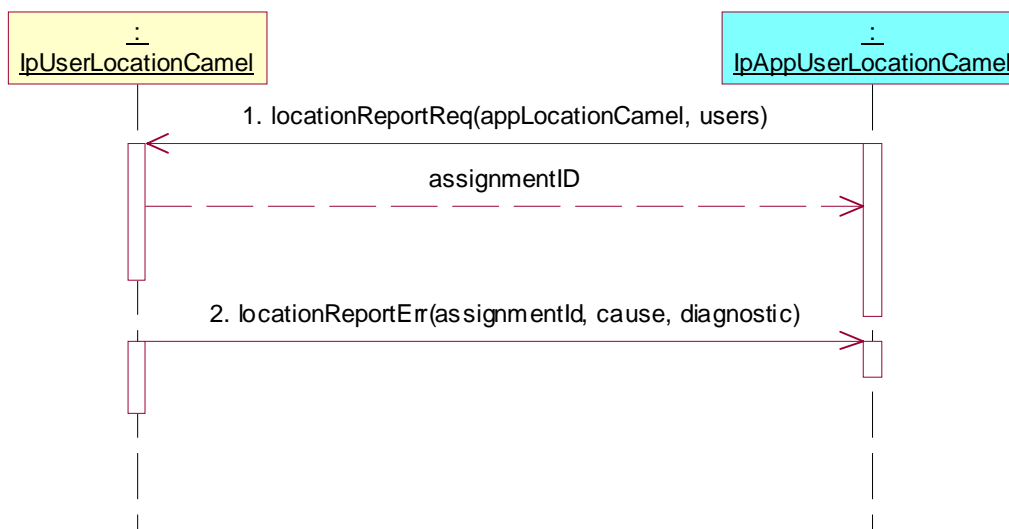Reference: ES 201 915-6 [1], clause 8.1

Precondition: IUT capable of invoking **locationReportReq()**

Selection: locationReportReq method supported - PICS item: [2] UL1

Preamble: Registration of the IUT (application) and the tester (User Location SCF) to the framework. The tester must have obtained a reference to an instance of the IpUserLocationCamel interface through selecting that service and signing the required service agreement.

Test Sequence:

1. Triggered action: cause IUT to call **locationReportReq()** method on the tester's (SCF) **IpUserLocationCamel** interface.
    Parameters: appLocationCamel, users

2. Method call **locationReportErr()**
    Parameters: assignmentId, cause, diagnostic
    Check: no exception is returned

Test M_APP_ULC_03

Summary: request for periodic reports of location, successful

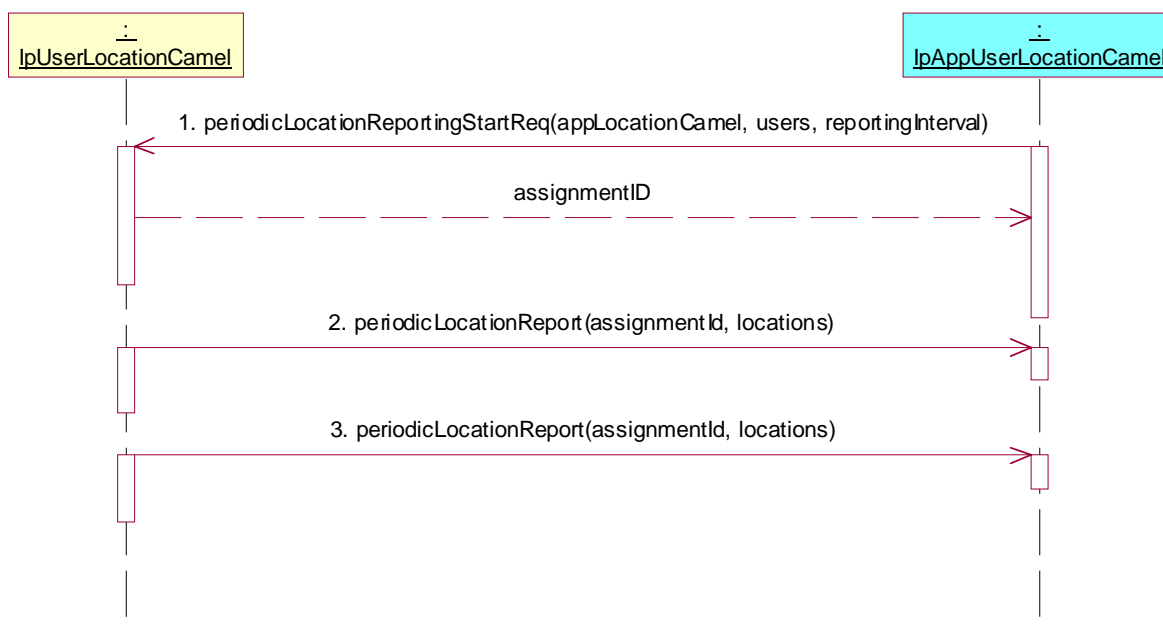Reference: ES 201 915-6 [1], clause 8.1

Precondition: IUT capable of invoking **periodicLocationReportingStartReq()**
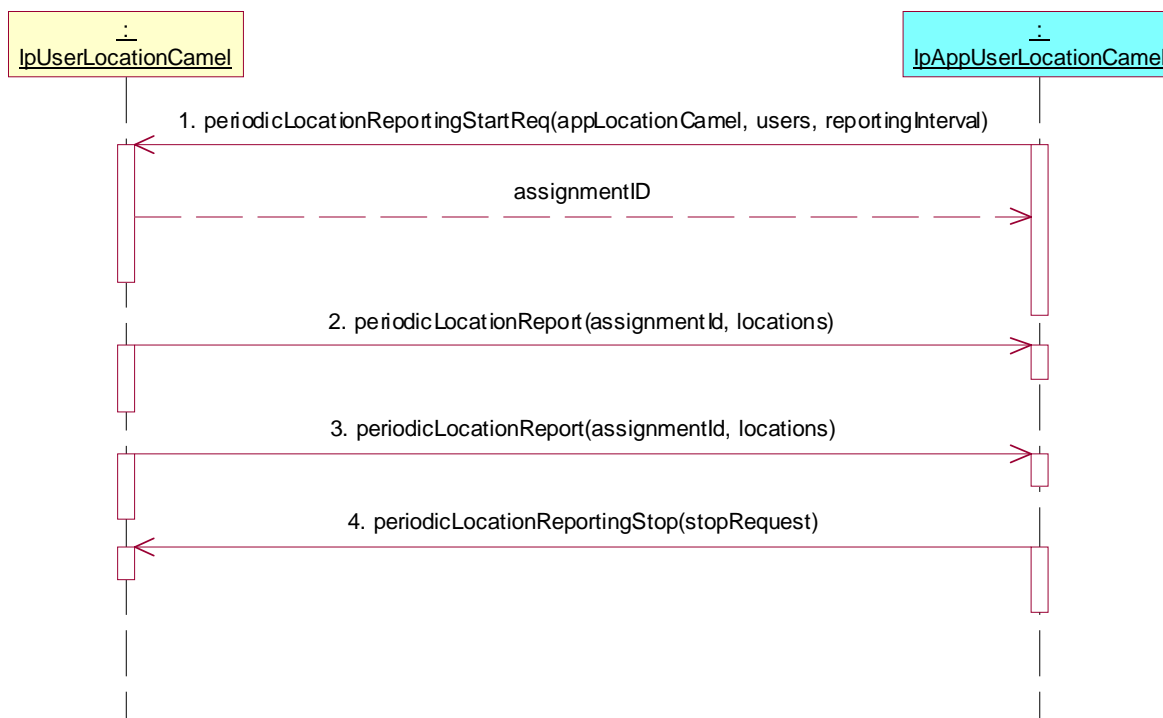
Preamble: Registration of the IUT (application) and the tester (User Location SCF) to the framework. The tester
              must have obtained a reference to an instance of the IpUserLocationCamel interface through selecting
              that service and signing the required service agreement.

Test Sequence:

1. Triggered action: cause IUT to call **periodicLocationReportingStartReq()** method on the tester's (SCF)
    IpUserLocationCamel interface.
    Parameters: appLocationCamel, users, reportingInterval

2. Method call **periodicLocationReport()**
    Parameters: assignmentId, locations
    Check: no exception is returned

NOTE: Repeat method call **periodicLocationReport()** with delays as specified in received reportingInterval.

Test M_APP_ULC_04

Summary: start and stop of a request for periodic reports of location, successful

Reference: ES 201 915-6 [1], clause 8.1

Precondition: IUT capable of invoking **periodicLocationReportingStartReq()** and
         periodiclocationReportingStopReq()

Preamble: Registration of the IUT (application) and the tester (User Location SCF) to the framework. The tester
         must have obtained a reference to an instance of the IpUserLocationCamel interface through selecting
         that service and signing the required service agreement.

Test Sequence:

1. Triggered action: cause IUT to call **periodicLocationReportingStartReq()** method on the tester's (SCF)
    IpUserLocationCamel interface.
    Parameters: appLocationCamel, users, reportingInterval

2. Method call **periodicLocationReport()**
    Parameters: assignmentId, locations
    Check: no exception is returned

NOTE: Repeat method call **periodicLocationReport()** with delays as specified in received reportingInterval.

4. Triggered action: cause IUT to call **periodicLocationReportingStop()** method on the tester's (SCF)
    IpUserLocationCamel interface.
    Parameters: stopRequest

Test M_APP_ULC_05

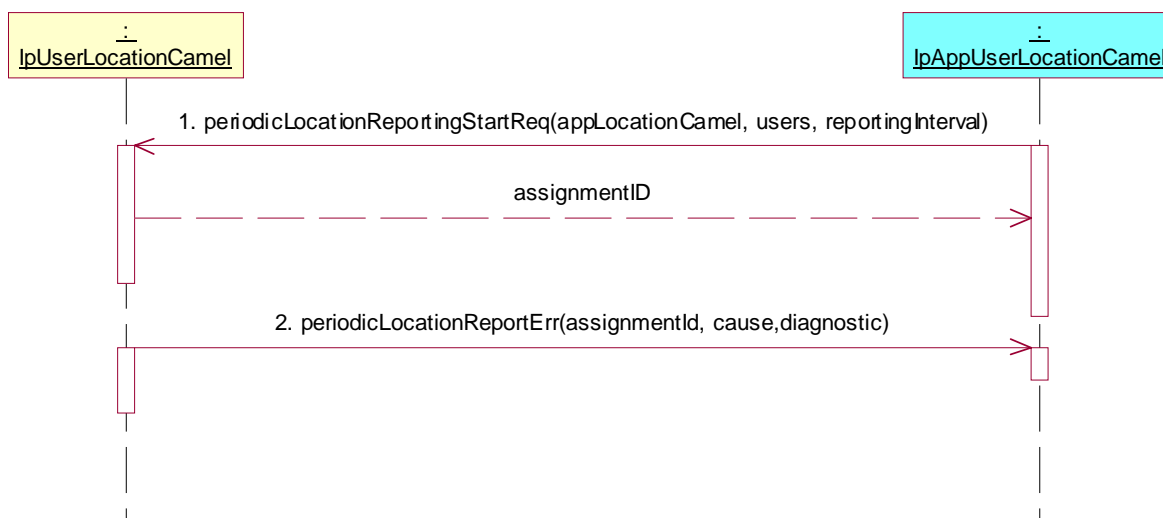Summary: request for periodic reports of location, unsuccessful

Reference: ES 201 915-6 [1], clause 8.1

Precondition: IUT capable of invoking **periodicLocationReportingStartReq()**

Preamble: Registration of the IUT (application) and the tester (User Location SCF) to the framework. The tester must have obtained a reference to an instance of the IpUserLocationCamel interface through selecting that service and signing the required service agreement.

Test Sequence:

1. Triggered action: cause IUT to call **periodicLocationReportingStartReq()** method on the tester's (SCF) **IpUserLocationCamel** interface.
   Parameters: appLocationCamel, users, reportingInterval

2. Method call **periodicLocationReportErr()**
   Parameters: assignmentId, cause, diagnostic
   Check: no exception is returned

Test M_APP_ULC_06

Summary: request for triggered reports of location, successful
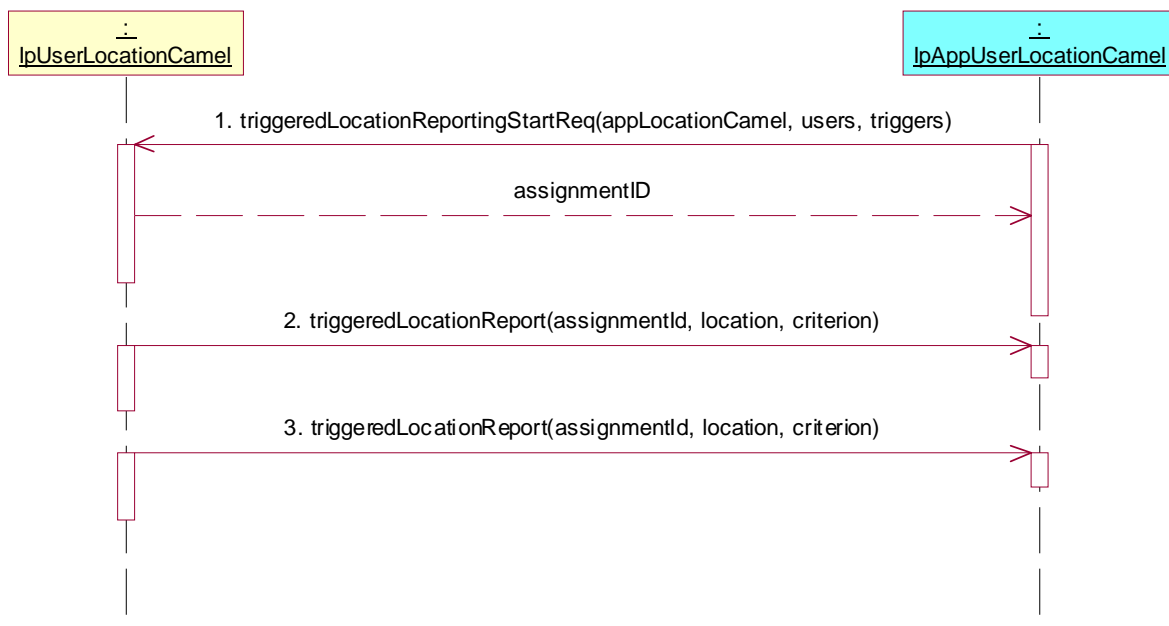
Reference: ES 201 915-6 [1], clause 8.1

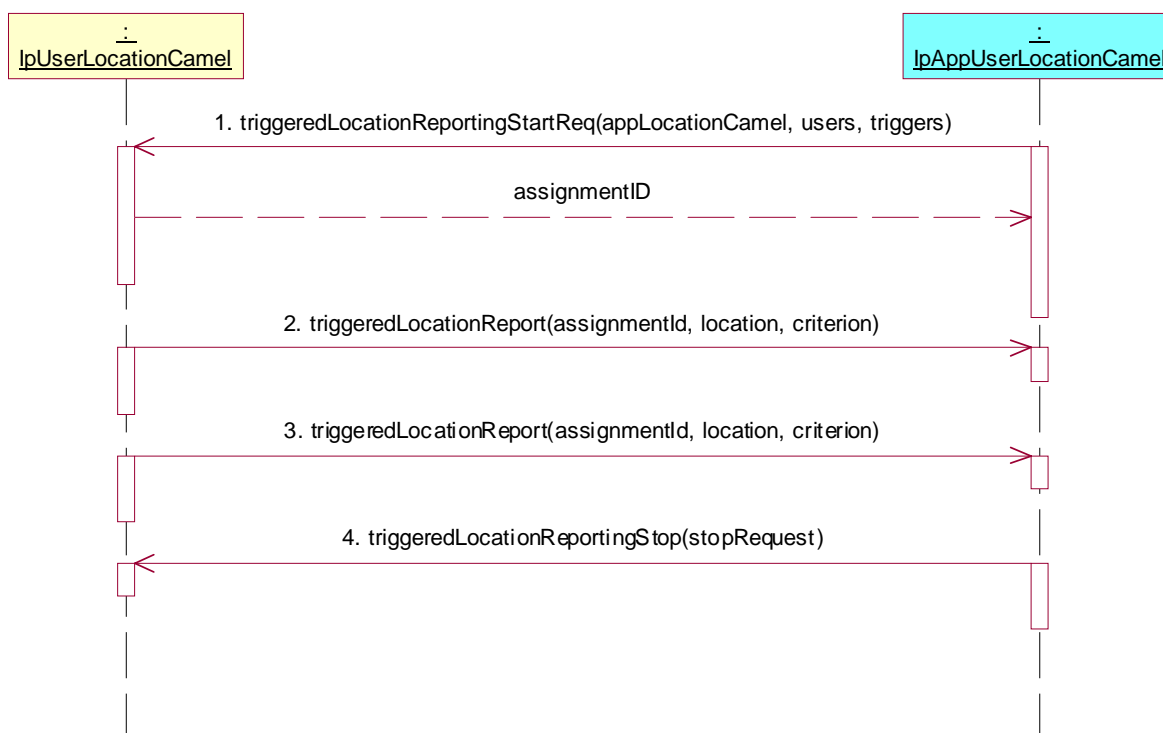Precondition: IUT capable of invoking **triggeredLocationReportingStartReq()**

Preamble: Registration of the IUT (application) and the tester (User Location SCF) to the framework. The tester must have obtained a reference to an instance of the IpUserLocationCamel interface through selecting that service and signing the required service agreement.

Test Sequence:

1. Triggered action: cause IUT to call **triggeredLocationReportingStartReq()** method on the tester's (SCF) **IpUserLocationCamel** interface.
    Parameters: appLocationCamel, users, triggers

2. Method call **triggeredLocationReport()**
    Parameters: assignmentId, location, criterion
    Check: no exception is returned

NOTE: Repeat method call **triggeredLocationReport()** several times.

Test M_APP_ULC_07

Summary: start and stop of a request for triggered reports of location, successful

Reference: ES 201 915-6 [1], clause 8.1

Precondition: IUT capable of invoking **triggeredLocationReportingStartReq()** and
                triggeredlocationReportingStopReq()

Preamble: Registration of the IUT (application) and the tester (User Location SCF) to the framework. The tester
                must have obtained a reference to an instance of the IpUserLocationCamel interface through selecting
                that service and signing the required service agreement.

Test Sequence:

1. Triggered action: cause IUT to call **triggeredLocationReportingStartReq()** method on the tester's (SCF)
    IpUserLocationCamel interface.
    Parameters: appLocationCamel, users, triggers

2. Method call **triggeredLocationReport()**
    Parameters: assignmentId, location, criterion
    Check: no exception is returned

NOTE: Repeat method call **triggeredLocationReport()** several times.

4. Triggered action: cause IUT to call **triggeredLocationReportingStop()** method on the tester's (SCF)
    IpUserLocationCamel interface.
    Parameters: stopRequest

Test M_APP_ULC_08

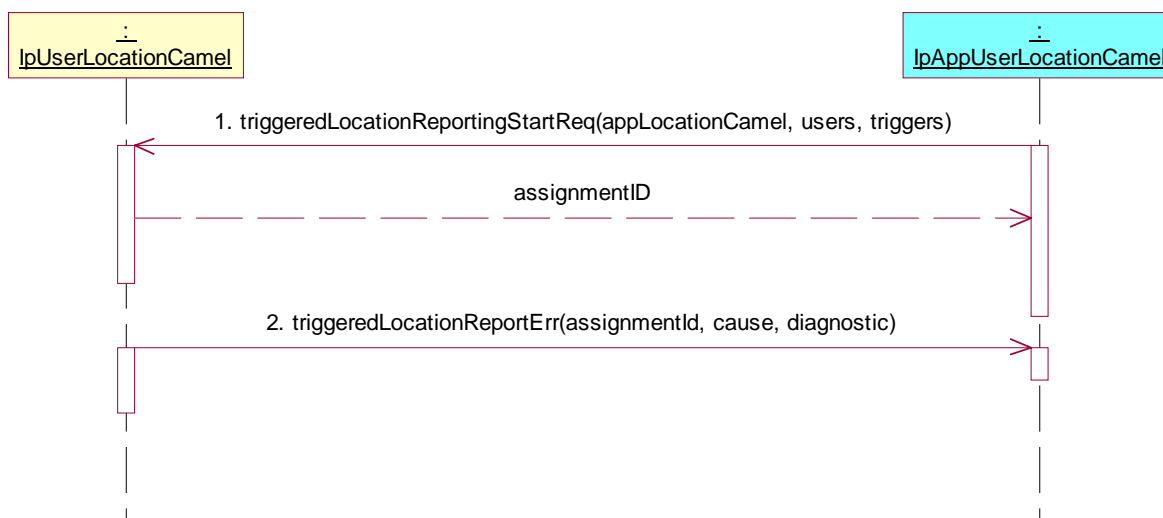Summary: request for triggered reports of location, unsuccessful

Reference: ES 201 915-6 [1], clause 8.1

Precondition: IUT capable of invoking **triggeredLocationReportingStartReq()**

Preamble: Registration of the IUT (application) and the tester (User Location SCF) to the framework. The tester must have obtained a reference to an instance of the IpUserLocationCamel interface through selecting that service and signing the required service agreement.

Test Sequence:

1. Triggered action: cause IUT to call **triggeredLocationReportingStartReq()** method on the tester's (SCF) **IpUserLocationCamel** interface.
    Parameters: appLocationCamel, users, triggers

2. Method call **triggeredLocationReportErr()**
    Parameters: assignmentId, cause, diagnostic
    Check: no exception is returned

5.3.3   User Location Emergency

Precondition: **IpAppUserLocationEmergency** interface implemented

Test M_APP_ULE_01

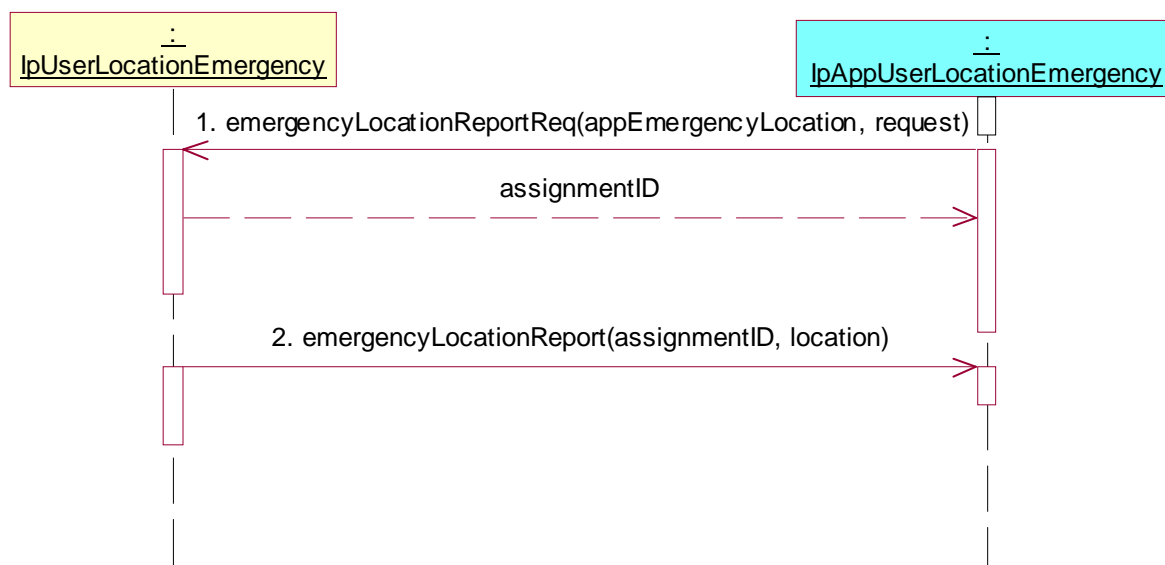Summary: request of report of location, successful

Reference: ES 201 915-6 [1], clause 8.1

Precondition: IUT capable of invoking **emergencyLocationReportReq()**

Preamble: Registration of the IUT (application) and the tester (User Location SCF) to the framework. The tester
               must have obtained a reference to an instance of the IpUserLocationEmergency interface through
               selecting that service and signing the required service agreement.

Test Sequence:

1.   Triggered action: cause IUT to call **emergencyLocationReportReq()** method on the tester's (SCF)
     IpUserLocationEmergency interface.
     Parameters: appEmergencyLocation, request

2.   Method call **emergencyLocationReport()**
     Parameters: assignmentId, location
     Check: no exception is returned

Test M_APP_ULE_02

Summary: request of report of location, unsuccessful

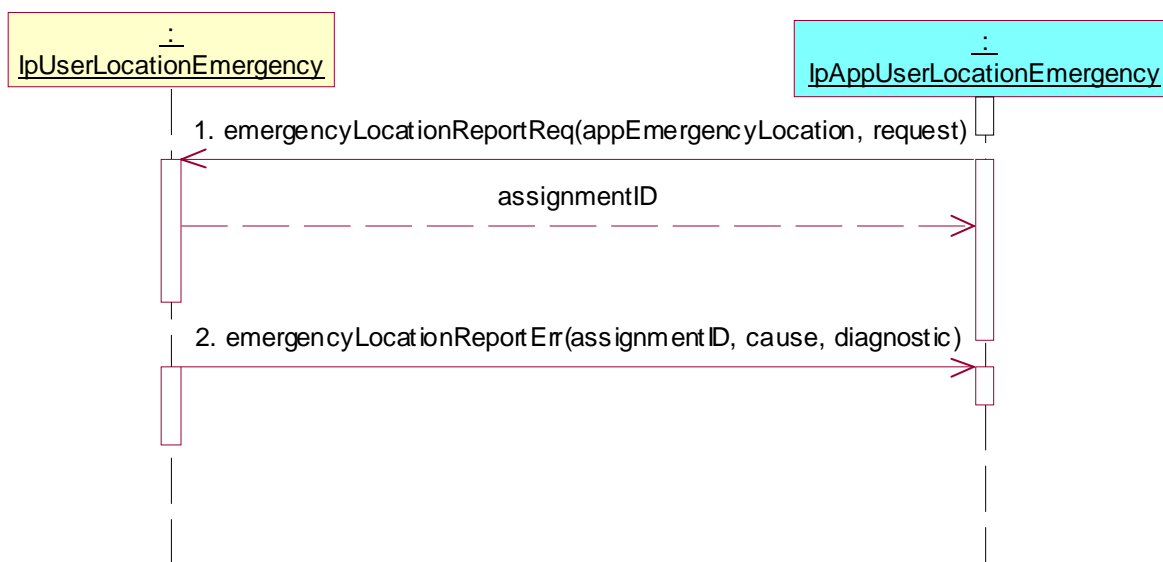Reference: ES 201 915-6 [1], clause 8.1

Precondition: IUT capable of invoking **emergencyLocationReportReq()**

Selection: locationReportReq method supported - PICS item: [2] UL1

Preamble: Registration of the IUT (application) and the tester (User Location SCF) to the framework. The tester
                 must have obtained a reference to an instance of the IpUserLocationEmergency interface through
                 selecting that service and signing the required service agreement.

Test Sequence:

  1.   Triggered action: cause IUT to call **emergencyLocationReportReq()** method on the tester's (SCF)
       IpUserLocationEmergency interface.
       Parameters: appLocationCamel, users

  2.   Method call **emergencyLocationReportErr()**
       Parameters: assignmentId, cause, diagnostic
       Check: no exception is returned

Test M_APP_ULE_03

Summary: subscribe to network initiated reports of location
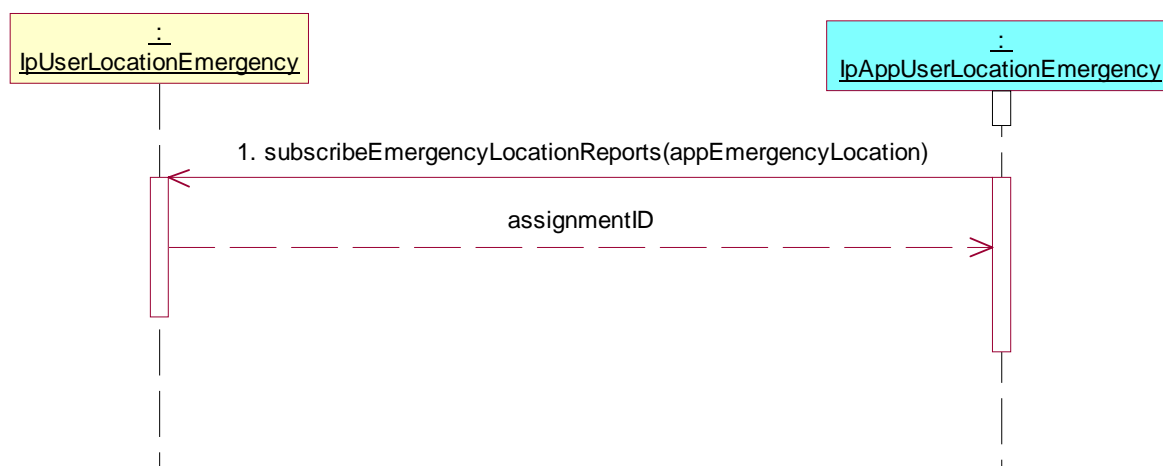
Reference: ES 201 915-6 [1], clause 8.1

Precondition: IUT capable of invoking **subscribeEmergencyLocationReports()**

Preamble: Registration of the IUT (application) and the tester (User Location SCF) to the framework. The tester
                 must have obtained a reference to an instance of the IpUserLocationEmergency interface through
                 selecting that service and signing the required service agreement.

Test Sequence:

1.   Triggered action: cause IUT to call **subscribeEmergencyLocationReports()** method on the tester's (SCF)
     IpUserLocationEmergency interface.
     Parameters: appEmergencyLocation

Test M_APP_ULE_04

Summary: subscribe and unsubscribe to network initiated reports of location
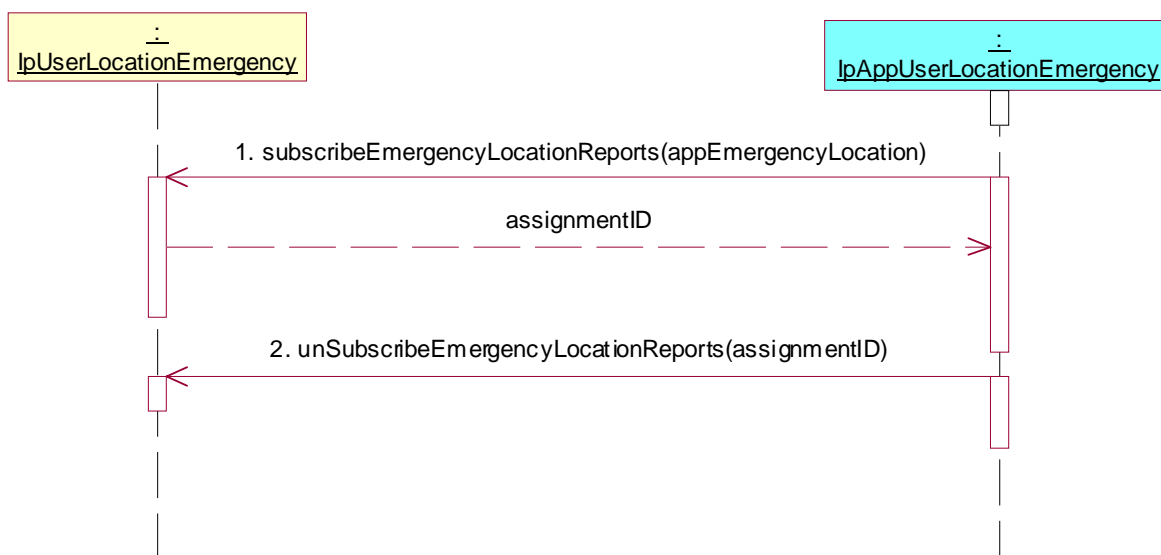
Reference: ES 201 915-6 [1], clause 8.1

Precondition: IUT capable of invoking **subscribeEmergencyLocationReports()** and
                  unsubscribeEmergencyLocationReports()

Preamble: Registration of the IUT (application) and the tester (User Location SCF) to the framework. The tester
                  must have obtained a reference to an instance of the IpUserLocationEmergency interface through
                  selecting that service and signing the required service agreement.

Test Sequence:

1. Triggered action: cause IUT to call **subscribeEmergencyLocationReports()** method on the tester's (SCF)
   IpUserLocationEmergency interface.
   Parameters: appEmergencyLocation

2. Triggered action: cause IUT to call **unsubscribeEmergencyLocationReports()** method on the tester's (SCF)
   IpUserLocationEmergency interface.
   Parameters: assignmentId

5.3.4   User Status

Precondition: **IpAppUserStatus** interface implemented

Test M_APP_US_01

Summary: request of status report, successful
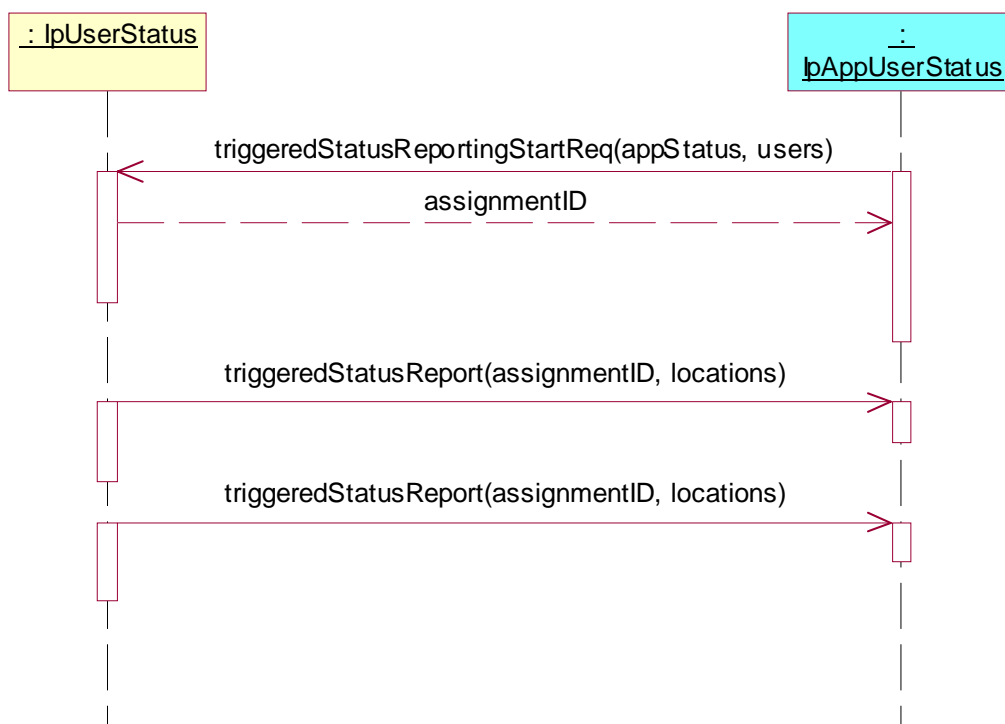
Reference: ES 201 915-6 [1], clause 8.1

Precondition: IUT capable of invoking **statusReportReq()**

Preamble: Registration of the IUT (application) and the tester (User Location SCF) to the framework. The tester
                must have obtained a reference to an instance of the IpUserStatus interface through selecting that
                service and signing the required service agreement.

Test Sequence:

1.   Triggered action: cause IUT to call **statusReportReq()** method on the tester's (SCF) **IpUserStatus** interface.
      Parameters: appStatus, users

2.   Method call **statusReportRes()**
      Parameters: assignmentId, status
      Check: no exception is returned

Test M_APP_US_02
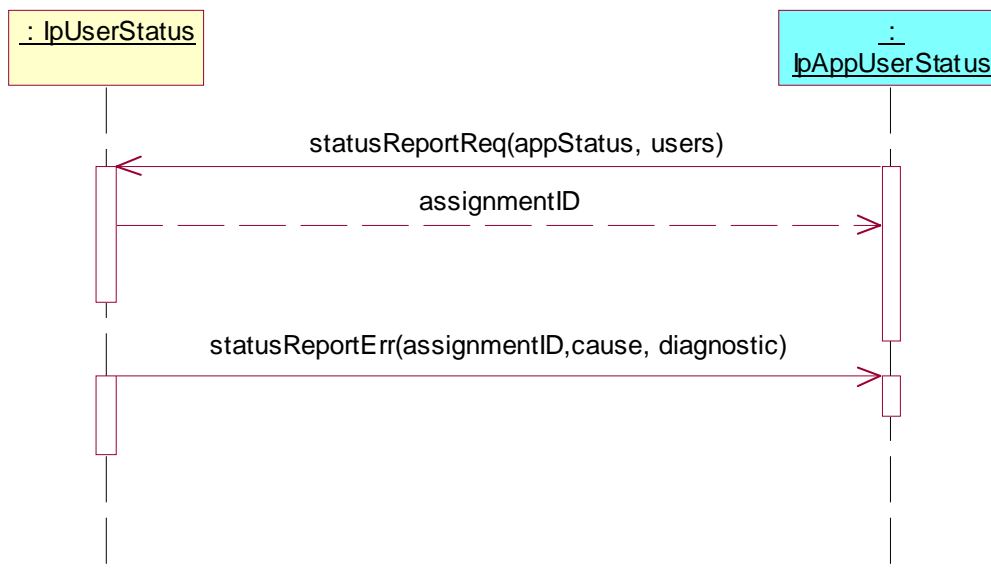
Summary:　　　request of status report, unsuccessful

Reference:　　　ES 201 915-6 [1], clause 8.1

Precondition:　　IUT capable of invoking **statusReportReq()**

Preamble:　　　Registration of the IUT (application) and the tester (User Location SCF) to the framework. The tester must have obtained a reference to an instance of the IpUserStatus interface through selecting that service and signing the required service agreement.

Test Sequence:

1. Triggered action: cause IUT to call **statusReportReq()** method on the tester's (SCF) **IpUserStatus** interface.
Parameters:　　appStatus, users

2. Method call **statusReportErr()**
Parameters:　　assignmentId, cause, diagnostic
Check:　　　　no exception is returned

Test M_APP_US_03

Summary: request for triggered status reports, successful
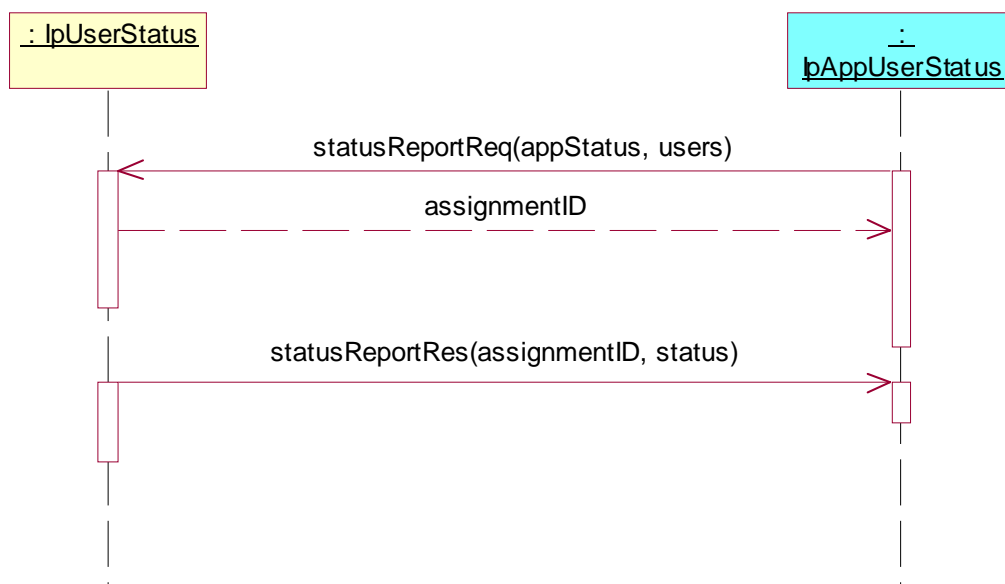
Reference: ES 201 915-6 [1], clause 8.1

Precondition: IUT capable of invoking **triggeredStatusReportingStartReq()**

Preamble: Registration of the IUT (application) and the tester (User Location SCF) to the framework. The tester
               must have obtained a reference to an instance of the IpUserStatus interface through selecting that
               service and signing the required service agreement.

Test Sequence:

1.   Triggered action: cause IUT to call **triggeredStatusReportingStartReq()** method on the tester's (SCF)
      IpUserStatus interface.
      Parameters: appStatus, users

2.   Method call **triggeredStatusReport()**
      Parameters: assignmentId, locations
      Check: no exception is returned

NOTE: Repeat method call **triggeredStatusReport()** with delays as specified in received reportingInterval.

Test M_APP_US_04

Summary: start and stop triggered request of status report, successful

Reference: ES 201 915-6 [1], clause 8.1

Precondition: IUT capable of invoking **triggeredStatusReportingStartReq()** and **triggeredStatusReportingStop()**
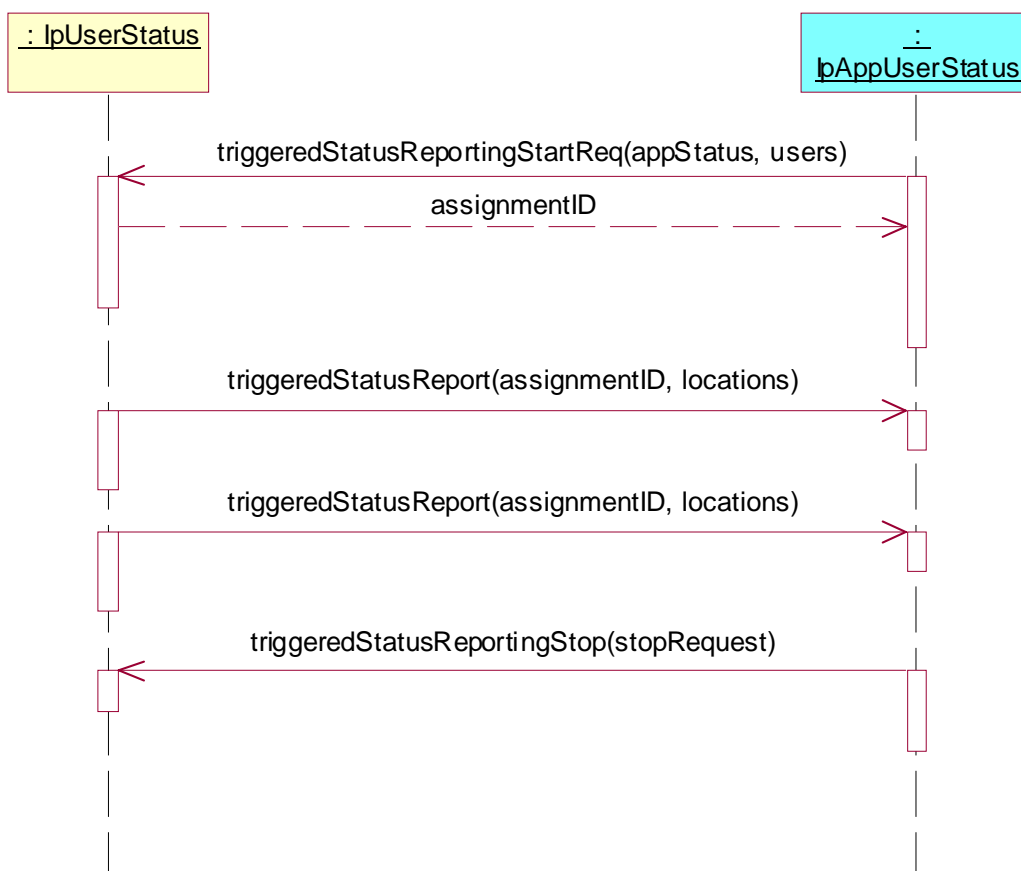
Preamble: Registration of the IUT (application) and the tester (User Location SCF) to the framework. The tester must have obtained a reference to an instance of the IpUserStatus interface through selecting that service and signing the required service agreement.

Test Sequence:

1. Triggered action: cause IUT to call **triggeredStatusReportingStartReq()** method on the tester's (SCF) **IpUserStatus** interface.
   Parameters: appStatus, users

2. Method call **triggeredStatusReport()**
   Parameters: assignmentId, locations
   Check: no exception is returned

   NOTE: Repeat method call **triggeredStatusReport()** with delays as specified in received reportingInterval.

4. Triggered action: cause IUT to call **triggeredStatusReportingStop()** method on the tester's (SCF) **IpUserStatus** interface.
   Parameters: stopRequest

Test M_APP_US_05

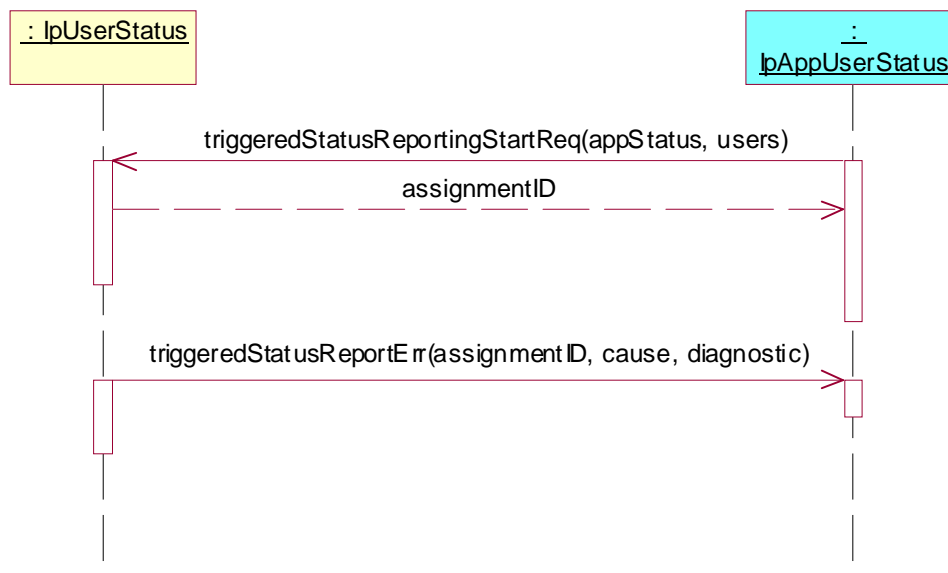Summary: request for triggered status reports, unsuccessful

Reference: ES 201 915-6 [1], clause 8.1

Precondition: IUT capable of invoking **triggeredStatusReportingStartReq()** and **triggeredStatusReportingStop()**

Preamble: Registration of the IUT (application) and the tester (User Location SCF) to the framework. The tester
                  must have obtained a reference to an instance of the IpUserStatus interface through selecting that
                  service and signing the required service agreement.

Test Sequence:

1.   Triggered action: cause IUT to call **triggeredStatusReportingStartReq()** method on the tester's (SCF)
     IpUserStatus interface.
     Parameters: appStatus, users

2.   Method call **triggeredStatusReportErr()**
     Parameters: assignmentId, cause, diagnostic
     Check: no exception is returned

History

<table>
<tr><td colspan="3" align="center">Document history</td></tr>
<tr><td>V1.1.1</td><td>August 2003</td><td>Publication</td></tr>
<tr><td>V1.2.1</td><td>December 2004</td><td>Membership Approval Procedure   MV 20050211:   2004-12-14 to 2005-02-11</td></tr>
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