

Title: Public Personal Handy-Phone System : Information Flow of PHS  
Supplementary Service Information Flow of Public PHS  
Roaming

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**Public Personal Handy-Phone System:**

**General Description of PHS-UUS**

**- PHS-UUS Supplementary Service -**

**<Summary>**

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**Public Personal Handy-Phone System:  
Information Flow of PHS Supplementary Service  
Information Flow of Public PHS Roaming**

**<Summary>**

**1. Relation with International Standards**

This specification specifies information flow of PHS roaming based on TTC Standard JT-Q1218-a (PHS roaming capability set 2) which is based on the results of IN-CS2 in ITU-T SG11.

**2. Difference from ITU-T Recommendation**

The description of this portion is not provided because the study results of IN-CS2 in ITU-T SG11 have not been officially published yet.

**3. References**

TTC Standard JT-Q1218-a  
PHS MoU Specification B-SV5.00, B-NW0.00, B-NW1.00, B-IF4.28

**4. Items for Further Study**

none

**Public Personal Handy-Phone System:  
Information Flow of PHS Supplementary Service  
Information Flow of Public PHS Roaming**

**1. Abbreviations**

FE	Functional Entity
FEA	Functional Entity Action
IE	Information Element
IF	Information Flow
IN	Intelligent Network
PE	Physical Entity
PHS	Personal Handy-Phone System
SCF	Service Control Function
CCF	Call Control Function
CCAF	Call Control Agent Function
CUSF	Call Unrelated Service Function
SCUAF	Service Control User Agent Function
SDF	Service Data Function
SDF(H)	Service Data Function in home network
SDF(Vnew)	Service Data Function in newly visited network
SDF(Vpre)	Service Data Function in previously visited network
SDP	Service Data Point
SSF	Service Switching Function
SSP	Service Switching Point
PS	Personal Station
CS	Cell Station

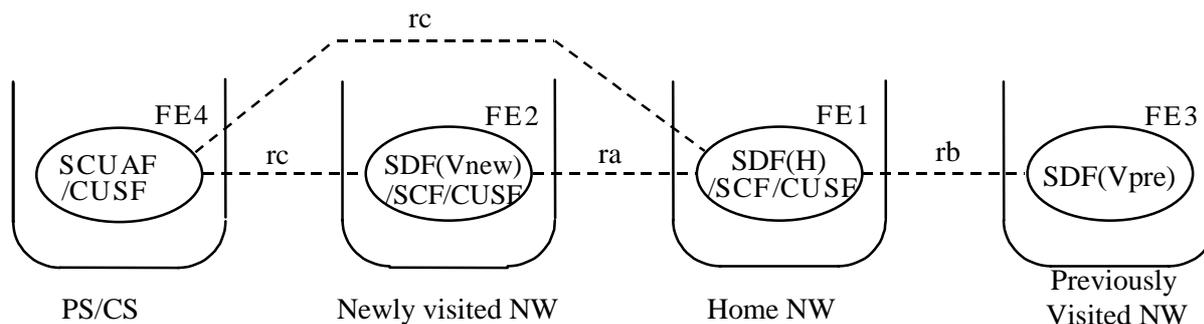
**2. Functional model of basic PHS roaming capability set**

This specification is basically applied to both CS type 1 and CS type 2 described in B-NW1.00 document. However, it is noted that as for CS type 1, PS authentication between PS/CS(FE4) and newly visited network(FE2)/home network(FE1) is performed via IF2, while as for CS type 2, it is performed via IFa.

There are some schemes for association of PHS roaming number to PS(s) as described in B-NW0.00 document, roaming number assignment method No.1 (one number per network) scheme and roaming number assignment method No.2 (one temporary number at call origination to roaming PS) scheme are supported in this specification. Furthermore, it mainly describes, location registration case for roaming and roaming number hunting case. Description of Information flow for call origination to roaming PS including IF3 is provided in Annex A in this document.

**2.1 Functional model**

The functional entity(FE)s and information flow(IF)s serve as a basis for PHS roaming service and are described in B-SV5.00 document. The type of functional models addressed by this specification is shown in Figure 2-1/B-IF0.50 below.



**Figure 2-1/B-IF0.50 Basic PHS roaming capability set functional model**

## 2.2 Functional entity(FE)s presentation

The functional entities (FEs) have the following meaning in Figure 2-1/B-IF0.50.

FE1	SDF(H)/SCF/CUSF	SDF/SCF/CUSF in home network
FE2	SDF(Vnew)/SCF/CUSF	SDF/SCF/CUSF in newly visited network
FE3	SDF(Vpre)	SDF in previously visited network
FE4	SCUAF/CUSF	SCUAF/CUSF in newly visited network or home network

In this specification, SCUAF and CUSF which represent PS and CS respectively are integrated as FE4, and the information flow between these entities (that is IF1, air interface portion) is not provided, because the same information flow as that between FE4 and FE2 (that is IF2) is utilized between them. Further more, the information flow between the entities in FE1 and FE2 is not provided, because the interface protocol specification of this portion is not scheduled at this time.

The relationship between FE2-FE1 is represented by relationship ra in the figure.

The relationship between FE3-FE1 is represented by relationship rb in the figure.

The relationship between FE4-FE2 (that is IF2) is represented by relationship rc in the figure.

The relationship between FE4-FE1 (that is IF2) is also represented by relationship rc in the figure.

Home network, newly visited network and previously visited network are modeled as independent network. Authentication may be performed between FEs. Authentication between FEs is for further study.

## 3. Information flows of basic PHS roaming capability set

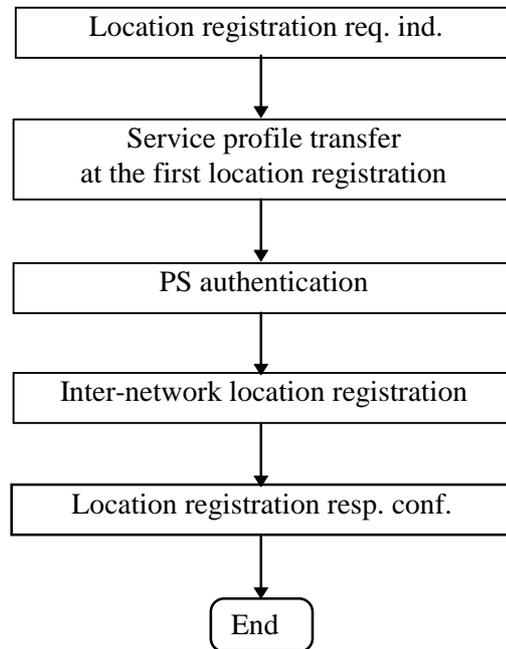
The basic features for the basic PHS roaming capability set are described in this clause as various operations. The PHS roaming processes are defined in B-NW1.00 document. This clause describes the following four procedures considering the addition of FE4 related processes.

- Basic procedure
- Mobility procedure
- PS interaction procedure
- Call handling procedure

PHS roaming procedures depend on conditions of public PS, the visited network and the home network. Following 4 conditions should be considered.

(1) The case where public PS moved from the home network to the visited network

The outline of the sequence in the case where public PS in the home network moved to the visited network and requests location registration for the first time is shown in Figure 3-1/B-IF0.50.

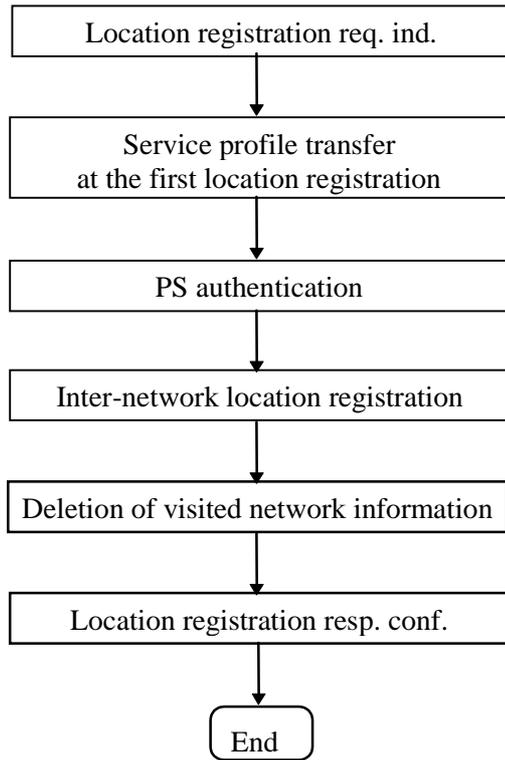


**Figure3-1/B-IF0.50 Basic PHS roaming procedure outline (a)**

Moreover, the sequence in the case where public PS doesn't request inter-network location registration after the completion of service profile transfer at the first location registration is described in Annex C of B-IF4.50 document.

(2) The case where public PS moved from the previously visited network to the newly visited network

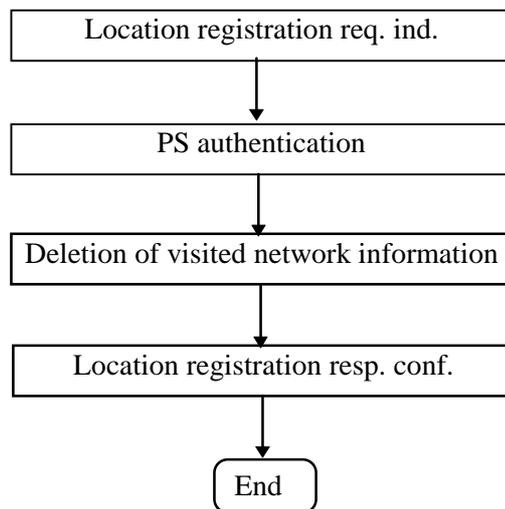
The outline of the sequence in the case where public PS in the previously visited network moved to the newly visited network and requests location registration for the first time is shown in Figure 3-2/B-IF0.50.



**Figure3-2/B-IF0.50 Basic PHS roaming procedure outline (b)**

(3) The case where public PS moved to the home network

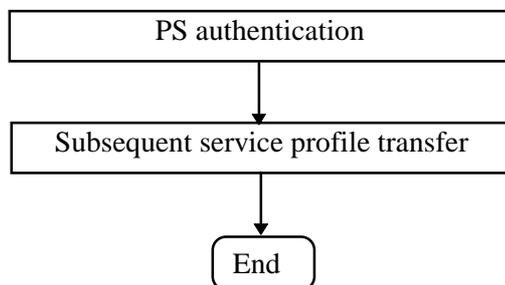
The outline of the sequence in the case where public PS in the visited network moved to the home network and requests location registration for the first time is shown in Figure 3-3/B-IF0.50.



**Figure 3-3/B-IF0.50 Basic PHS roaming procedure outline (c)**

(4) The case where the consumption of authentication information for the public PS

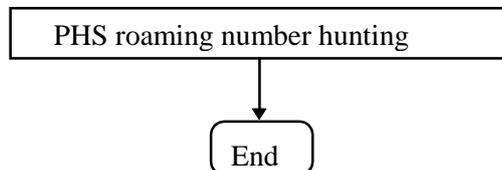
The authentication information in SDF (Vnew) for the public PS is consumed in the PS authentication which may be required in the procedure of call origination, call termination and handover. The outline of the sequence in case of shortage of the authentication information in SDF (Vnew) for the public PS which has registered the location in the visited network is shown in Figure 3-4/B-IF0.50.



**Figure 3-4/B-IF0.50 Basic PHS roaming procedure outline (d)**

(5) The case where home network requires routing information to visited network in the scheme of roaming number assignment method No.2.

The outline of the sequence in case where home network requires routing information to visited network in the scheme of roaming number assignment method No.2 is shown in Figure 3-5/B-IF0.50.



**Figure 3-5/B-IF0.50 Basic PHS roaming procedure outline (e)**

In the procedure described in this specification, it is assumed that the visited network can identify the home network of the roaming PS from the PHS number. It is also assumed that the agreement of shadowing related to all roamable user has been established between SDF(Vnew/Vpre) in the visited network and SDF(H) in the network. Only in case of subsequent service profile transfer procedure, it is assumed that the agreement related to the PHS number has been established between SDF(Vnew) in the visited network and SDF(H) in the network.

### 3.1 Basic procedures

#### 3.1.1 Service profile transfer at the first location registration

In the procedure of service profile transfer at the first location registration, copying of the service profile related to the PHS number from the home network to the visited network is performed in order

that the visited network can offer services to the PS.

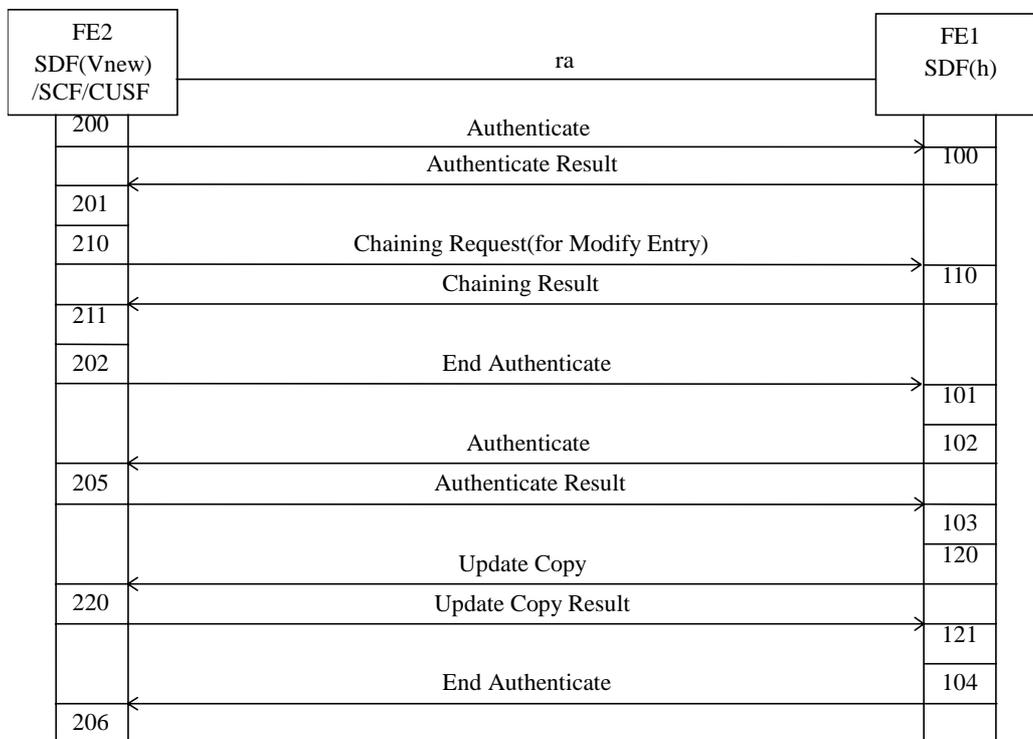
### 3.1.1.1 Outline

After the PS requests the PHS roaming service to the visited network, following procedures are performed between SDF(Vnew) and SDF(H) in order to copy the service profile related to the PS from the home network to the visited network.

- (1) SDF(Vnew) requests to modify the entry information in SDF(H) related to the PHS number.
- (2) The modification of the entry information in SDF(H) related to the PHS number triggers off the copying.
- (3) SDF(H) copies the PHS service profile related to the PHS number to SDF(Vnew).

### 3.1.1.2 Information flow diagram

The information flow diagram is shown in Figure 3-6/B-IF0.50.



**Fig 3-6/B-IF0.50 Service profile transfer at the first location registration**

### 3.1.2 Subsequent service profile transfer

In case of shortage of the authentication information for the PS located in the visited network, copying of the authentication information related to the PHS number from the home network to the visited network is performed by the procedure of subsequent service profile transfer,

#### 3.1.2.1 Outline

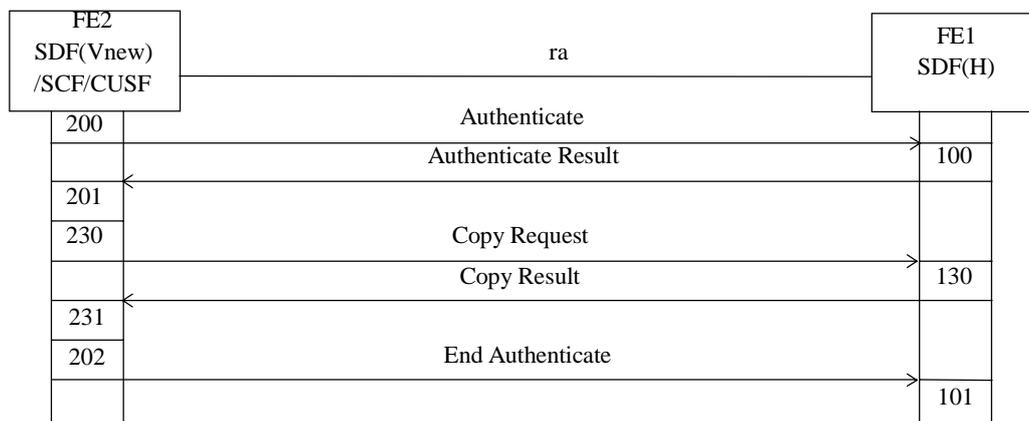
The following procedures are performed between SDF(Vnew) and SDF(H) in order to copy the

authentication information from the home network to the visited network.

- (1) SDF(Vnew) requests of SDF(H) to copy the authentication information.
- (2) SDF(H) carries out the copy to SDF(Vnew).

### 3.1.2.2 Information flow diagram

The information flow diagram is shown in Figure 3-7/B-IF0.50.



**Fig 3-7/B-IF0.50 Subsequent service profile transfer**

## 3.2 Mobility procedures

### 3.2.1 Inter-network location registration

In the procedure of inter-network location registration, the visited network requests of the home network to modify the information identifying visited network of the roaming PS in order that the call can terminate to the PS.

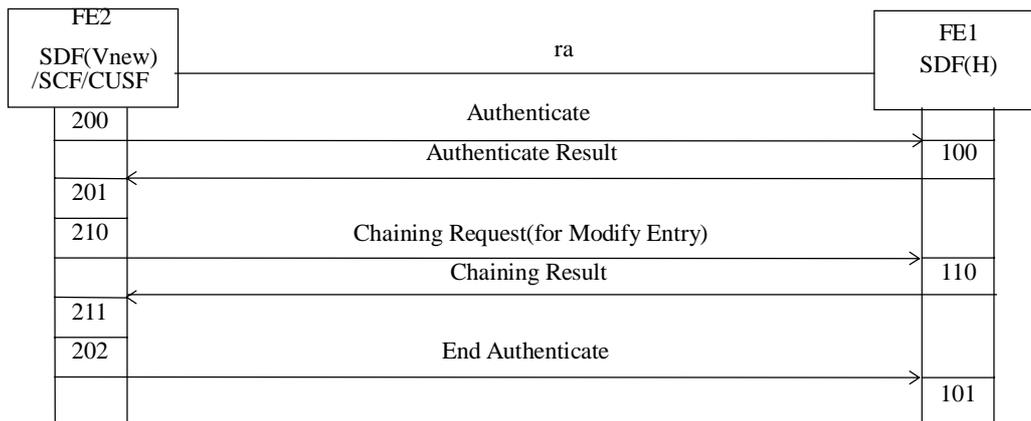
#### 3.2.1.1 Outline

The following procedures are performed between SDF(Vnew) and SDF(H) for inter-network location registration.

- (1) SDF(Vnew) requests of SDF(H) to modify the information identifying visited network of the PHS number
- (2) SDF(H) carries out the modification of the information.

#### 3.2.1.2 Information flow diagram

The information flow diagram is shown in Figure 3-8/B-IF0.50.



**Fig 3-8/B-IF0.50 Inter-network location registration**

### 3.2.2 Deletion of information in the visited network

In this procedure, deletion of the information related to the PHS number in the visited network which is requested by the home network is performed.

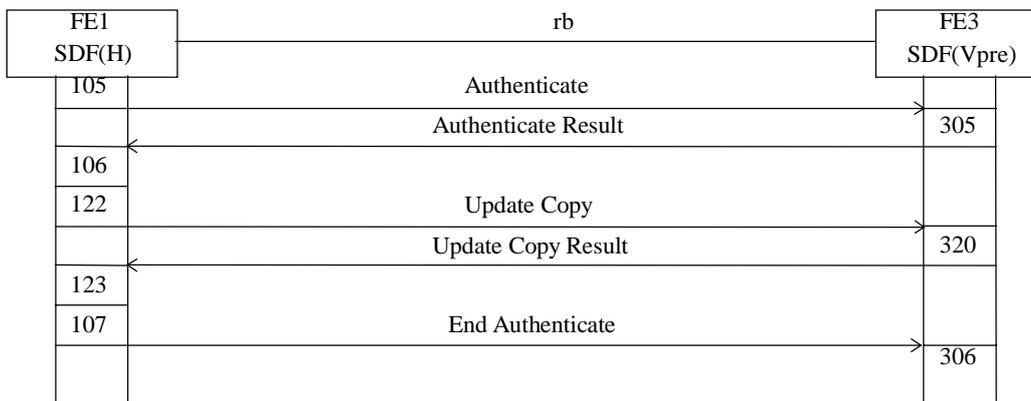
#### 3.2.2.1 Outline

The following procedures are performed between SDF(Vpre) and SDF(H) for deletion of information in the visited network.

- (1) SDF(H) in the home network requests of SDF(Vpre) in the previously visited network to delete the information related to the PHS number.
- (2) SDF(Vpre) in the previously visited network follows the request and carries out the deletion of the information related to the PHS number.

#### 3.2.2.2 Information flow diagram

The information flow diagram is shown in Figure 3-9/B-IF0.50.



**Fig 3-9/B-IF0.50 Deletion of information in the visited network**

### 3.3 PS interaction procedure

#### 3.3.1 Location registration req. ind.

In the procedure of location registration req. ind., SCUAF/CUSF in the PS/CS requests location registration of the PS to SDF(Vnew)/SCF/CUSF in newly visited network or to SDF(H)/SCF/CUSF in home network.

##### 3.3.1.1 Outline

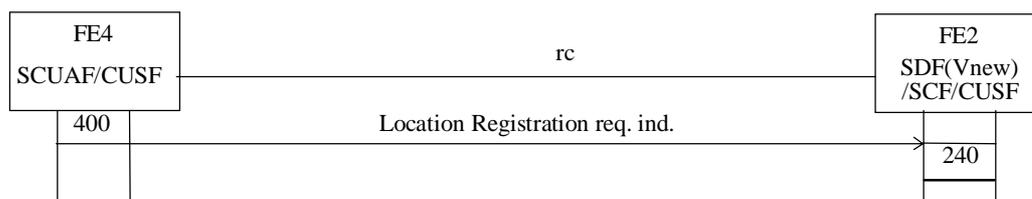
The following procedure is performed between SCUAF/CUSF and SDF(Vnew)/SCF/CUSF or between SCUAF/CUSF and SDF(H)/SCF/CUSF for location registration req. ind..

(1) SCUAF/CUSF in the PS/CS requests location registration of the PS to SDF(Vnew)/SCF/CUSF in newly visited network or to SDF(H)/SCF/CUSF in home network.

##### 3.3.1.2 Information flow diagram

The information flow diagram is shown in Figure 3-10/B-IF0.50.

In this figure, FE2 which contains SDF(Vnew)/SCF/CUSF is replaced by FE1 which contains SDF(H)/SCF/CUSF in case of location registration in the home network.



**Fig 3-10/B-IF0.50 Location Registration req. ind.**

#### 3.3.2 PS authentication

The procedure for PS authentication is performed for the purpose of confirming the visiting PS.

##### 3.3.2.1 Outline

The following procedure is performed between SDF(Vnew)/SCF/CUSF in newly visited network and SCUAF/CUSF in the PS/CS or between SDF(H)/SCF/CUSF in home network and SCUAF/CUSF in the PS/CS for PS authentication.

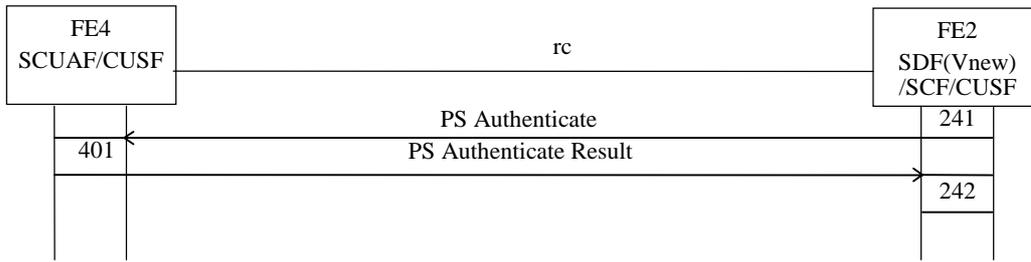
(1) SDF(Vnew)/SCF/CUSF in newly visited network or SDF(H)/SCF/CUSF in home network requests PS authentication to SCUAF/CUSF in the PS/CS.

(2) SCUAF/CUSF in the PS/CS responds to the request by sending PS authentication result to SDF(Vnew)/SCF/CUSF in newly visited network or SDF(H)/SCF/CUSF in home network.

##### 3.3.2.2 Information flow diagram

The information flow diagram is shown in Figure 3-11/B-IF0.50.

In this figure, FE2 which contains SDF(Vnew)/SCF/CUSF is replaced by FE1 which contains SDF(H)/SCF/CUSF in case of location registration in the home network.



**Fig 3-11/B-IF0.50 PS authentication**

### 3.3.3 Location registration resp. conf.

In this procedure, SDF(Vnew)/SCF/CUSF in newly visited network or SDF(H)/SCF/CUSF in home network responds to the location registration request from SCUAF/CUSF in the PS/CS.

#### 3.3.3.1 Outline

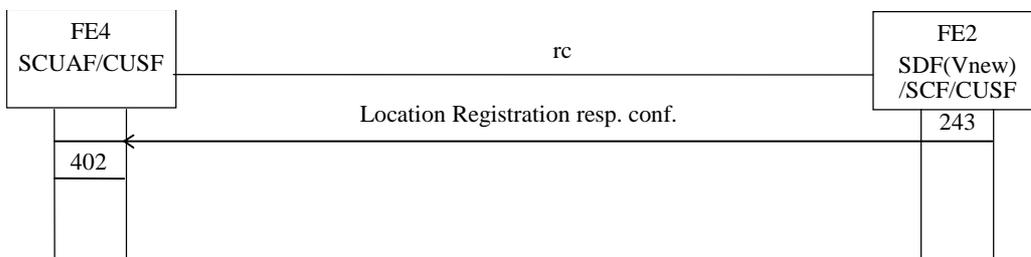
The following procedure is performed between SDF(Vnew)/SCF/CUSF and SCUAF/CUSF or between SDF(H)/SCF/CUSF and SCUAF/CUSF for location registration resp. conf..

(1) SDF(Vnew)/SCF/CUSF in newly visited network or SDF(H)/SCF/CUSF in home network responds to the location registration request from SCUAF/CUSF in the PS/CS.

#### 3.3.3.2 Information flow diagram

The information flow diagram is shown in Figure 3-12/B-IF0.50.

In this figure, FE2 which contains SDF(Vnew)/SCF/CUSF is replaced by FE1 which contains SDF(H)/SCF/CUSF in case of location registration in the home network.



**Fig 3-12/B-IF0.50 Location registration resp. conf.**

### 3.4 Call handling procedure

### 3.4.1 PHS roaming number hunting

In this procedure, PHS roaming number hunting which home network requests to visited network is performed, when call to roaming PS is originated.

This procedure is used in the case of roaming number assignment method No.2.

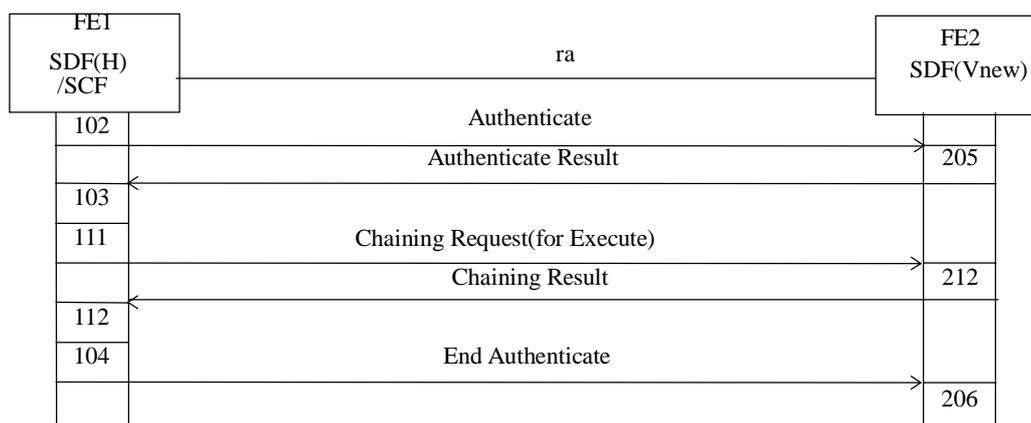
#### 3.4.1.1 Outline

The following procedures are performed between SDF(H) and SDF(Vnew) for hunting PHS roaming number in the visited network.

- (1) SDF(H) in the home network requests of SDF(Vnew) in the newly visited network to hunt a PHS roaming number and to make relationship between the PHS roaming number and the PHS number.
- (2) SDF(Vnew) in the newly visited network follows the request and carries out hunting of a PHS roaming number and making relationship between the PHS roaming number and the PHS number

#### 3.4.1.2 Information flow diagram

The information flow diagram is shown in Figure 3-13/B-IF0.50.



**Fig 3-13/B-IF0.50 PHS roaming number hunting**

### 3.5 Definition of individual information flow

In the following definition of individual information flow, mandatory information element (IE) is indicated as "M". The meaning of individual IE related to ra and rb is shown in B-IF4.28 document.

#### 3.5.1 Relationship ra

##### 3.5.1.1 Flow between SDF(Vnew)/SCF/CUSF and SDF(H)

Authenticate

Information element: Authentication Information M

Authenticate Result

Information element: Authentication Information M

Chaining Request  
Information element: Chained Argument M  
Security Parameters M  
IE description: Chained Argument may contain PHS roaming number in case where it is applied for 'Modify Entry' operation in inter-network location registration information flows.

Chaining Result  
Information element: Chained Result M  
Security Parameters M  
IE description: Chained Result may contain PHS roaming number in case where it is applied for 'Execute' operation in PHS roaming number hunting information flows.

Copy Request  
Information element: Replication Area M  
Maintained Part M  
Update Mode M  
Update Strategy M  
Master M

Copy Result  
Information element: Replicated Data M

Update Copy  
Information element: Refreshed Information M

Update Copy Result  
Information element: none

End Authenticate  
Information element: none

### 3.5.2 Relationship rb

#### 3.5.2.1 Flow between SDF(Vpre) and SDF(H)

Authenticate  
Information element: Authentication Information M

Authenticate Result  
Information element: Authentication Information M

Update Copy  
Information element: Refreshed Information M

Update Copy Result  
Information element: none

End Authenticate  
Information element: none

### 3.5.3 Relationship rc

#### 3.5.3.1 Flow between SCUAF/CUSF and SDF(Vnew)/SCF/CUSF

Location Registration req. ind.

Information element: PHS Number M  
IE description: The meaning of PHS Number is shown in B-SV5.00 document.

PS Authenticate

Information element: PS Authentication Information M  
IE description: PS Authentication Information contains information needed to perform the required type of authentication for PS.

PS Authenticate Result

Information element: PS Authentication Information M  
IE description: PS Authentication Information contains information used in providing results of the authentication for PS.

Location Registration resp. conf.

Information element: none M

#### 4. Functional entity action

The functional entity action (FEA) can be referred by the number of the functional entity row in the information flow diagram. The figure number relevant to FEA is indicated in brackets [ ] which follows the FEA number.

The FEA number is coded by three digits and the first digit relates to the FE number in which FEA is activated. The 2nd and 3rd digits do not have specific meaning.

In this clause it is assumed that the SDF Data Manager represents a root of the request, while there are two cases; one is that SDF Data Manager itself is the initiator, the other is that it is requested by other entities. Distinction of these cases is for further study.

##### 4.1 Functional entity FE1(SDF(H)/SCF/CUSF)

FEA:100[3-6, 3-7, 3-8]

- Receive and react to Authenticate from SDF(Vnew).
- Bind the association with SDF(Vnew).
- Formulate and send Authenticate Result to SDF(Vnew).

FEA:101[3-6, 3-7, 3-8]

- Receive and react to End Authenticate from SDF(Vnew).
- Unbind the association with SDF(Vnew).

FEA:102[3-6, 3-13]

- Receive and react to a request from SDF Data Manager .
- Formulate and send Authenticate to SDF(Vnew) to bind the association with SDF(Vnew).

FEA:103[3-6, 3-13]

- Receive and react to Authenticate Result from SDF(Vnew).
- Bind the association with SDF(Vnew).

FEA:104[3-6, 3-13]

- Receive and react to a request from SDF Data Manager.
- Formulate and send End Authenticate to SDF(Vnew) to unbind the association with SDF(Vnew).

- Unbind the association with SDF(Vnew).

FEA:105[3-9]

- Receive and react to a request from SDF Data Manager .
- Formulate and send Authenticate to SDF(Vpre) to bind the association with SDF(Vpre).

FEA:106[3-9]

- Receive and react to Authenticate Result from SDF(Vpre).
- Bind the association with SDF(Vpre).

FEA:107[3-9]

- Receive and react to a request from SDF Data Manager .
- Formulate and send End Authenticate to SDF(Vpre) to unbind the association with SDF(Vpre).
- Unbind the association with SDF(Vpre).

FEA:110[3-6, 3-8]

- Receive and react to Chaining Request from SDF(Vnew).
- Updates the information for location related to the PHS number.
- Formulate and send Chaining Result to SDF(Vnew).

FEA:111[3-13]

- Receive and react to a request from SDF Data Manager .
- Formulate and send Chaining Request to SDF(Vnew) to hunt a PHS roaming number and to associate it to the PHS number.

FEA:112[3-13]

- Receive and react to Chaining Result from SDF(Vnew).

FEA:120[3-6]

- Receive and react to a request from SDF Data Manager .
- Extracts the PHS roaming service profile related to the PHS number.
- Formulate and send Update Copy to SDF(Vnew).

FEA:121[3-6]

- Receive and react to Update Copy Result from SDF(Vnew).

FEA:122[3-9]

- Receive and react to a request from SDF Data Manager .
- Formulate and send Update Copy to SDF(Vpre) for deleting the roaming service profile related to the PHS number from SDF(Vpre).

FEA:123[3-9]

- Receive and react to Update Copy Result from SDF(Vpre).

FEA:130[3-7]

- Receive and react to Copy Request from SDF(Vnew).
- Extracts the authentication information related to the PHS number.
- Formulate and send Copy Result to SDF(Vnew).

note

FEA:240[3-10], FEA:241[3-11], FEA:242[3-11] and FEA:243[3-12] in FE2 are also performed in FE1 in case of location registration in home network.

## 4.2 Functional entity FE2(SDF(Vnew)/SCF/CUSF)

FEA:200[3-6,3-7, 3-8]

- Receive and react to a request from SDF Data Manager .
- Formulate and send Authenticate to SDF(H) to bind the association with SDF(H).

FEA:201[3-6,3-7, 3-8]

- Receive and react to Authenticate Result from SDF(H).
- Bind the association with SDF(H).

FEA:202[3-6,3-7, 3-8]

- Receive and react to a request from SDF Data Manager .
- Formulate and send End Authenticate to SDF(H) to unbind the association with SDF(H).
- Unbind the association with SDF(H).

FEA:205[3-6, 3-13]

- Receive and react to Authenticate from SDF(H).
- Bind the association with SDF(H).
- Formulate and send Authenticate Result to SDF(H).

FEA:206[3-6, 3-13]

- Receive and react to End Authenticate from SDF(H).
- Unbind the association with SDF(H).

FEA:210[3-6, 3-8]

- Receive and react to a request from SDF Data Manager .
- Formulate and send Chaining Request to SDF(H) to update the information for location related to the PHS number.

FEA:211[3-6, 3-8]

- Receive and react to Chaining Result from SDF(H).

FEA:212[3-13]

- Receive and react to Chaining Request from SDF(H).
- Hunt a PHS roaming number and associate it to the PHS number.
- Formulate and send Chaining Result to SDF(H).

FEA:220[3-6]

- Receive and react to Update Copy from SDF(H).
- Store the copy of the roaming service profile related to the PHS number.
- Formulate and send Update Copy Result to SDF(H).

FEA:230[3-7]

- Receive and react to a request from SDF Data Manager .
- Formulate and send Copy Request to SDF(H) to get the authentication information related to the PHS number.

FEA:231[3-7]

- Receive and react to Copy Result from SDF(H).
- Store the copy of the information for authentication related to the PHS number .

FEA:240[3-10]

- Receive and react to Location Registration ind. from SCUAF/CUSF.

FEA:241[3-11]

- Formulate and send PS Authenticate to SCUAF/CUSF.

FEA:242[3-11]

- Receive and react to PS Authenticate Result from SCUAF/CUSF.

FEA:243[3-12]

- Formulate and send Location Registration resp. to SCUAF/CUSF.

### **4.3 Functional entity FE3(SDF(Vpre))**

FEA:305[3-7]

- Receive and react to Authenticate from SDF(H).
- Bind the association with SDF(H).
- Formulate and send Authenticate Result to SDF(H).

FEA:306[3-9]

- Receive and react to End Authenticate from SDF(H).
- Unbind the association with SDF(H).

FEA:320[3-9]

- Receive and react to Update Copy from SDF(H).
- Delete the roaming service profile related to the PHS number from SDF(Vpre).
- Formulate and send Update Copy Result to SDF(H).

### **4.4 Functional entity FE4(SCUAF/CUSF)**

FEA:400[3-10]

- Formulate and send Location Registration req. to SDF(Vnew)/SCF/CUSF or SDF(H)/SCF/CUSF.

FEA:401[3-11]

- Receive and react to PS Authenticate from SDF(Vnew)/SCF/CUSF or SDF(H)/SCF/CUSF.
- Formulate and send PS Authenticate Result to SDF(Vnew)/SCF/CUSF or SDF(H)/SCF/CUSF.

FEA:402[3-12]

- Receive and react to Location Registration conf. from SDF(Vnew)/SCF/CUSF or to SDF(H)/SCF/CUSF.

## Annex A Information flow of call related case for roaming service

### 1. Introduction

This annex provides information flow of call related case for roaming service briefly. It covers both roaming number assignment method No.1 scheme and roaming number assignment method No.2 scheme.

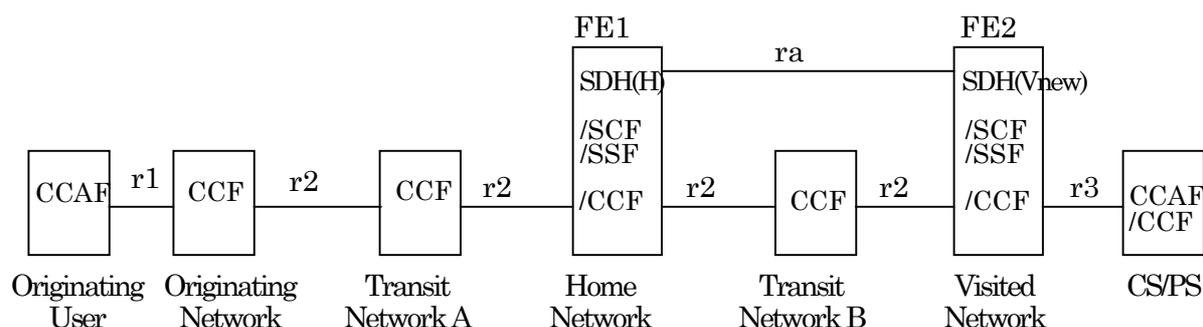
### 2. Call origination from roaming PS

The same functional model and information flow as those of call origination from PS of non-roaming state are applied.

### 3. Call origination to roaming PS

#### 3.1 Functional model

Functional model for call origination to roaming PS is shown in Figure A-1/B-IF0.50.



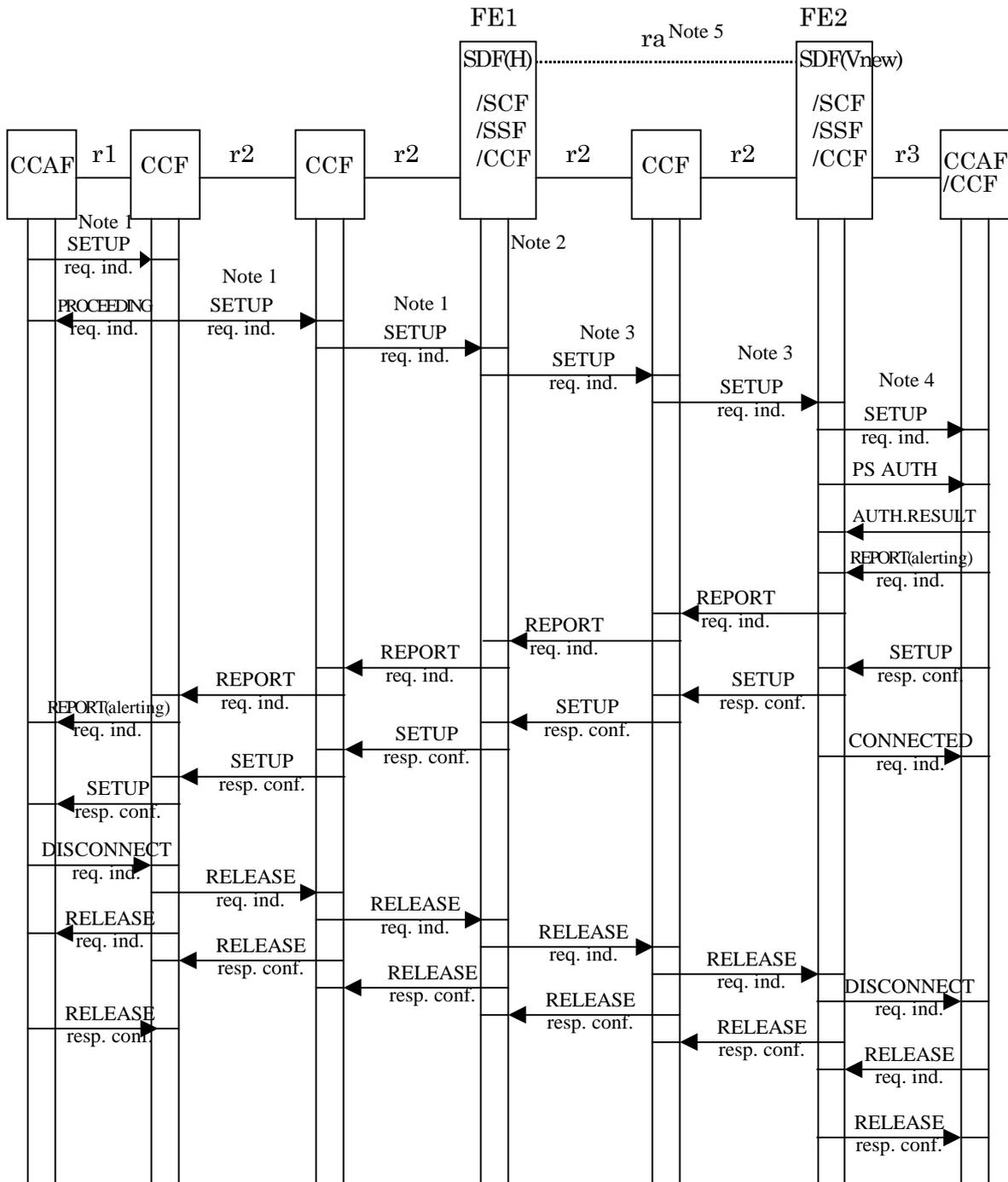
**Figure A-1/B-IF0.50 Functional model for call origination to roaming PS**

Definition of the functional entities FE1 and FE2 is the same as that in the main body of this document. Moreover, definitions and descriptions of the basic call handling related portion of figure a-1/B-IF0.50 (CCAF/CCF and relationship r1/r2/r3 etc.) are shown in ITU-T Recommendation Q.71.

#### 3.2 Information flows

##### 3.2.1 In the case of roaming number assignment method No.1 scheme

Information flows in case of roaming number assignment method No.1 scheme are shown in figure A-2/B-IF0.50.



**Figure A-2/B-IF0.50 In case of roaming number assignment method No.1 scheme**

Note 1: PHS number contained in called number information element of SETUP req. ind. is used to route call to the home network.

Note 2: PHS roaming number is obtained by converting PHS number in SDF(H).

Note 3: PHS roaming number contained in called number information element of SETUP req. ind. is used to route call to the visited network. PHS number is conveyed using additional information of SETUP req. ind..

Note 4: PHS number contained in 'called number' information element of SETUP req. ind.is used to terminate call to the roaming PS.

Note 5: Relationship ra is not applied in case of roaming number assignment method No.1 scheme.

### **3.2.2 In the case of roaming number assignment method No.2 scheme**

Information flows in case of roaming number assignment method No.2 scheme are shown in figure A-3/B-IF0.50.

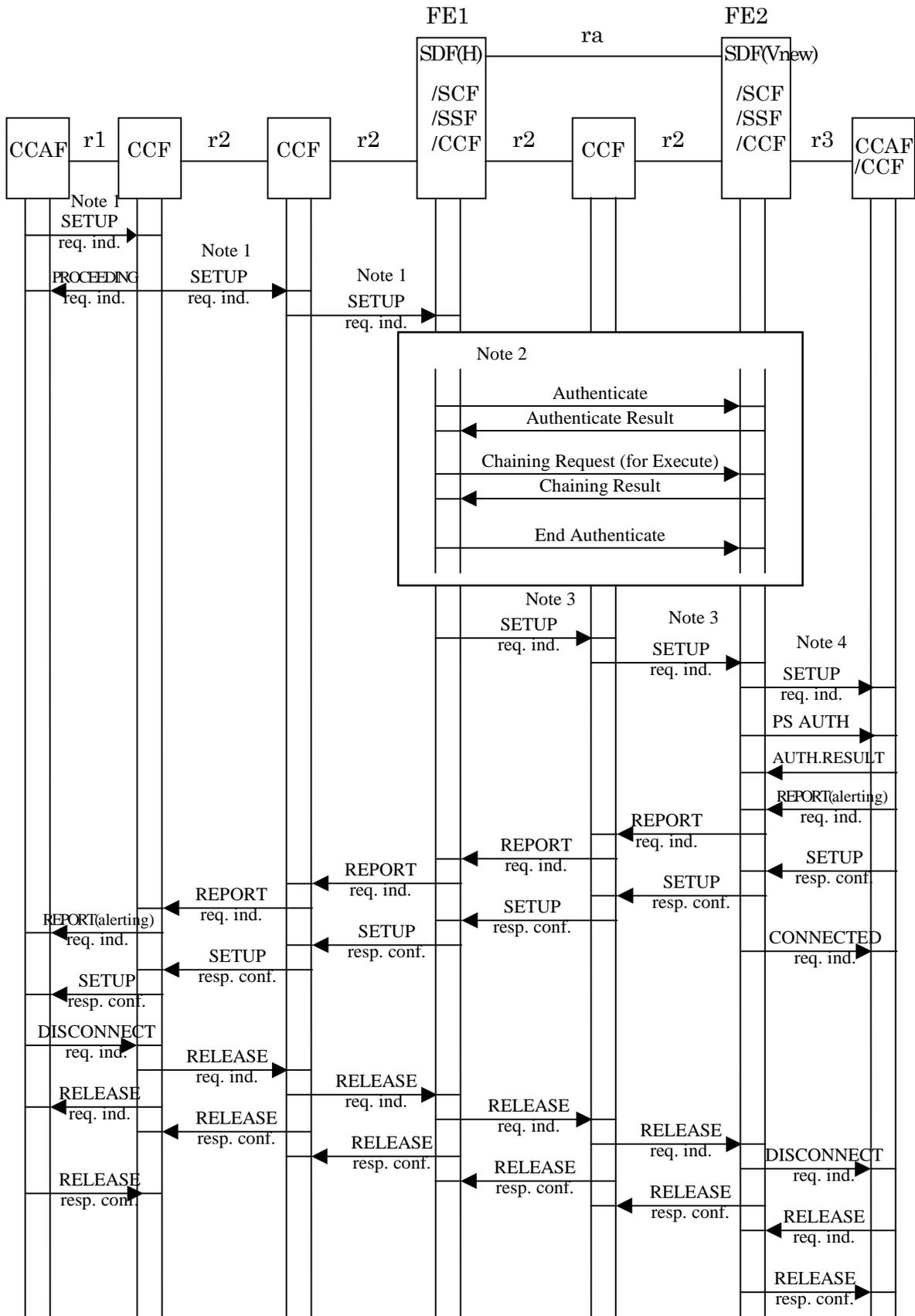


Figure A-3/B-IF0.50 In case of roaming number assignment method No.2 scheme

- Note 1: PHS number contained in called number information element of SETUP req. ind.is used to route call to the home network.
- Note 2: PHS roaming number is obtained through the information flows between SDF(H) and SDF(Vnew) (relationship ra). Detail flows are shown in the main body of this specification.
- Note 3: PHS roaming number contained in called number information element of SETUP req. ind.is used to route call to the visited network. It also used to identify the PS (PHS number).
- Note 4: PHS number contained in 'called number' information element of SETUP req. ind.is used to terminate call to the roaming PS.