

3GPP2 X.S0004-332-E

v 1.0

Date: April 2008



3RD GENERATION  
PARTNERSHIP  
PROJECT 2  
"3GPP2"

## Mobile Application Part (MAP) -

### VOICE FEATURE SCENARIOS: REMOTE FEATURE CONTROL

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# REVISION HISTORY

Revision	Date	Remarks
X.S0004-332-E v1.0	April 2008	Initial publication.

# 1 INTRODUCTION

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Unless otherwise noted, the scenarios in this section depict features operating individually; i.e., feature interactions are not considered unless specifically noted.

Also, please note that the scenarios in this section do not include a complete listing of operation parameters, either in the figures or in the accompanying text descriptions. Parameters are included where they are deemed necessary to improve the understanding of the scenario. For a complete description of the parameters associated with each operation, refer to Parts 540 and 550.

## 2 REMOTE FEATURE CONTROL

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This section depicts the interactions between network entities in various situations related to automatic roaming and Remote Feature Control (RFC). These scenarios are for illustrative purposes only.

### 2.1 Normal RFC Transaction Sequence

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This scenario describes a typical RFC transaction sequence.

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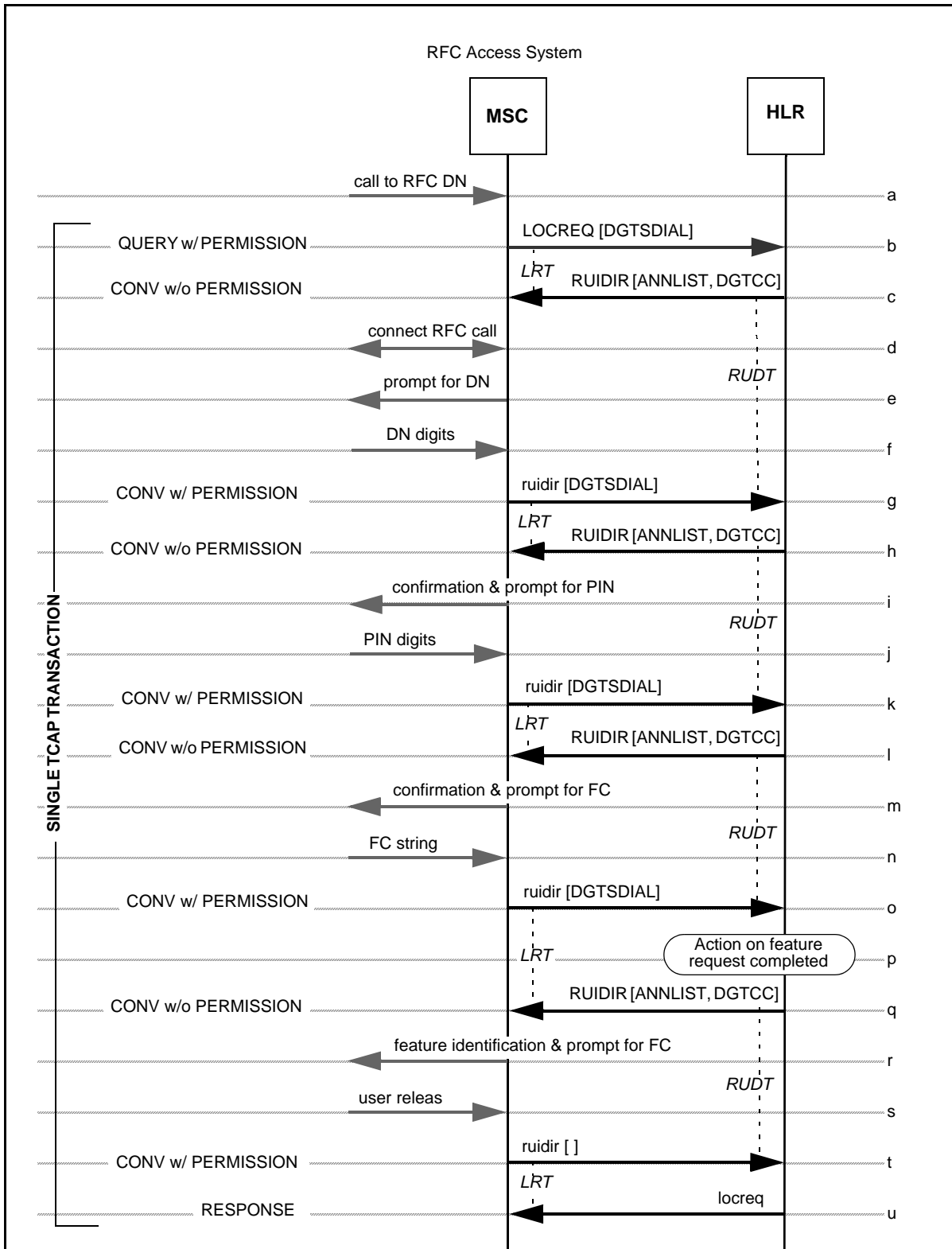


Figure 1 — Typical RFC Transaction Sequence

- 1 a. An incoming call to the RFC Access DN arrives at the RFC Access System MSC  
2 (RFC-MSC).
- 3 b. The RFC-MSC sends a `LOCREQ` to the HLR. The HLR, on receipt of the `LOCREQ`  
4 indicating an RFC call, initiates a user interaction session.
- 5 c. The HLR sends a `RUIDIR` to the RFC-MSC.
- 6 d. On receipt of the `RUIDIR`, the RFC-MSC turns off the `LOCREQ` timer and provides  
7 call treatment as indicated in the received message. In this case, the treatment is to  
8 answer the call (i.e., connect the calling party to subsystem capable of user interaction).
- 9 e. The RFC-MSC prompts the user based on the information in the received `RUIDIR` and  
10 waits for digits.
- 11 f. The user responds with its DN digits.
- 12 g. The RFC-MSC sends a `ruidir` to the HLR, containing the digits dialed by the user.
- 13 h. The HLR sends a `RUIDIR` to the RFC-MSC, confirming the receipt and validation of  
14 the user's DN and prompting for the user's PIN.
- 15 i. The RFC-MSC prompts the user based on the information in the received `RUIDIR`.
- 16 j. The user responds with its PIN digits.
- 17 k. The RFC-MSC sends a `ruidir` to the HLR, containing the digits dialed by the user.
- 18 l. The HLR sends a `RUIDIR` to the RFC-MSC, confirming the receipt and validation of  
19 the user's PIN and prompting for the user's feature request.
- 20 m. The RFC-MSC prompts the user based on the information in the received `RUIDIR`.
- 21 n. The user responds with a feature code string.
- 22 o. The RFC-MSC sends a `ruidir` to the HLR, containing the digits dialed by the user.
- 23 p. The HLR completes processing of the feature request.
- 24 q. The HLR sends a `RUIDIR` to the RFC-MSC, indicating the result of the feature request  
25 and prompting for another feature request.
- 26 r. The RFC-MSC prompts the user based on the information in the received `RUIDIR`.
- 27 s. The user releases the call.
- 28 t. The RFC-MSC sends an empty `ruidir` to the HLR.
- 29 u. The HLR terminates the user interaction session and sends a `locreq` to the RFC-  
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