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Mobile Application Part (MAP) -

VOICE FEATURE SCENARIOS: REMOTE FEATURE CONTROL

REVISION HISTORY

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

1 INTRODUCTION

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

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

This scenario describes a typical RFC transaction sequence.

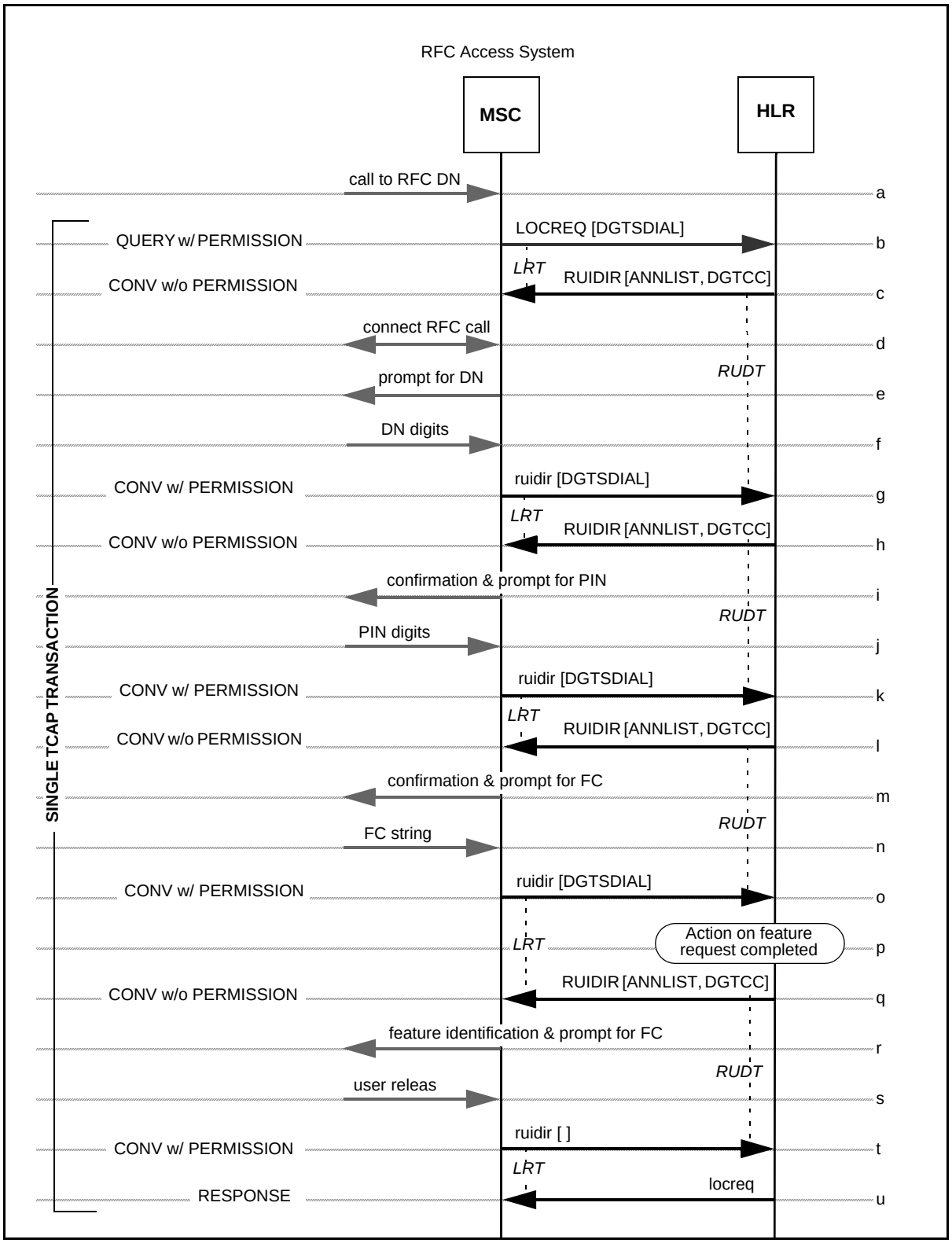

Figure 1 — Typical RFC Transaction Sequence

a. An incoming call to the RFC Access DN arrives at the RFC Access System MSC (RFC-MSC).

b. The RFC-MSC sends a LOCREQ to the HLR. The HLR, on receipt of the LOCREQ indicating an RFC call, initiates a user interaction session.

c. The HLR sends a RUIDIR to the RFC-MSC.

d. On receipt of the RUIDIR, the RFC-MSC turns off the LOCREQ timer and provides call treatment as indicated in the received message. In this case, the treatment is to answer the call (i.e., connect the calling party to subsystem capable of user interaction).

e. The RFC-MSC prompts the user based on the information in the received RUIDIR and waits for digits.

f. The user responds with its DN digits.

g. The RFC-MSC sends a ruidir to the HLR, containing the digits dialed by the user.

h. The HLR sends a RUIDIR to the RFC-MSC, confirming the receipt and validation of the user's DN and prompting for the user's PIN.

i. The RFC-MSC prompts the user based on the information in the received RUIDIR.

j. The user responds with its PIN digits.

k. The RFC-MSC sends a ruidir to the HLR, containing the digits dialed by the user.

l. The HLR sends a RUIDIR to the RFC-MSC, confirming the receipt and validation of the user's PIN and prompting for the user's feature request.

m. The RFC-MSC prompts the user based on the information in the received RUIDIR.

n. The user responds with a feature code string.

o. The RFC-MSC sends a ruidir to the HLR, containing the digits dialed by the user.

p. The HLR completes processing of the feature request.

q. The HLR sends a RUIDIR to the RFC-MSC, indicating the result of the feature request and prompting for another feature request.

r. The RFC-MSC prompts the user based on the information in the received RUIDIR.

s. The user releases the call.

t. The RFC-MSC sends an empty ruidir to the HLR.

u. The HLR terminates the user interaction session and sends a locreq to the RFC-MSC.