

Source: TSG CN WG 1

Title: Proposed flows for registration exception conditions 24.228

Agenda item:

Document for:

3GPP TSG-CN-WG1, Meeting #16
26 February 2001 to 01 March 2001,
Sophia France.

Tdoc N1-010435010483

Agenda Item: 8.2

WI / Topic: SIP call control protocol for the IM subsystem

Source: Lucent Technologies, Motorola

Title: Proposed flows for Registration exception conditions

Effected Specifications / Releases: 24.229/R5

Document for: Discussion and decision.

Date: 26 February 2001

Introduction

This contribution discusses and points out the call flows that need to be addressed as exception call flows for Registration call flows.

Description

Listed below are possible exception flows for Registration scenarios. This discussion is based on the call flows in Appendix A of 24.228.030.

In Registration call flow in Annex A of 24.228.030 :

1. A possible exception scenario would be when a user is attempting to register from the visited network but is not allowed to roam.
2. A possible exception scenario would be when a user is attempting to register from the home or visited network but is not allowed to register due to lack of subscription.
3. If the Cx interface fails then a new call flow will result because of that failure. Put this in the Registration call flow as well.

Discussion points

Listed below are some discussion points which drive the exception call flows mention in the previous section. The points and scenarios need to be discussed by the appropriate body of experts and decision need to be made so that exception call flows for registration can be developed.

1. During Registration procedure when the I-CSCF performs a look up over the Cx interface, what information is transferred over this interface? Is the information transferred to the I-CSCF during this transaction enough

Source: TSG CN WG 1

Title: Proposed flows for registration exception conditions 24.228

Agenda item:

Document for:

3GPP TSG-CN-WG1, Meeting #16
26 February 2001 to 01 March 2001,
Sophia France.

Tdoc N1-010435010483

for the I-CSCF to determine if the user is subscribed or not? This discussion should help clear the call flows for the exception for lack of subscription. This discussion should help determine which entity generates the error codes.

2. Does the P-CSCF perform authentication of the user before forwarding the register message to the I-CSCF? This will help generate the flows for when a user is not allowed to roam and/or the
3. Are the GPRS level registrations and the IMS SIP level registrations disjoint from each other? This issue is addressed in N1-010482.

Proposal

This list of proposed exception flows have been noted here to show some of the possible exception call flows that need to be considered for registration calls. It is proposed that the CN group come to a decision as to which of these might be necessary to address and put as call flows in 24.228⁹