RELEASE RECONNECT IN TELECOMMUNICATION OR RRT

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Abstract:

In this paper we propose a new approach for telecommunication to route the call from a common platform to the different-different applications using the concept of release reconnect. Common platform of designed in the vxml other applications designed could be any language no need to design the other applications in vxml also. As of now any IVR platform designed in vxml then the other applications need to be designed in vxml as well but the concept of release reconnect remove that limitation and provide the flexibility to the other applications that need to be situated at the vxml common platform could be designed in any languages.

Keywords: RRT, Release Reconnect, IVR Release Reconnect, Release, Reconnect.

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*Introduction***:**

Now this era there is a lot of approaches and Technologies, we are also introducing an approach called the RRT.

*Common Platform***:**

Common Platform collaborate the different-different IVR applications into a single IVR application. Common Platform minimize the hardware cost, numbers of E1 (Voice and Signaling path) and as well as user cost also.

Lets a scenario a user wants to set a caller tune on his/her number, they have to dial a particular short code like 51234 , after while same user wants to dedicate a song to a colleague they have to disconnect the call and have to dial a different short code like 12345 and after while same user want to use the voice chat application then they have to disconnect the previous call and have to dial a another short code like 56789 and every time user charged per/min price for that whether he/she used 20 second in first application,10 second in second application , 10 second in third application and total used duration is 40 second but user charged for the 3 min reason behind is that they dial a different-different short codes and have to pay for each short code but in common platform all IVR applications collaborated into a single IVR applications that are developed in vxml. On the other hand common platform user's has to dial a single short code like 777777 and all applications comes under a single short and users can easily jumps on the different-different application using RRT without disconnecting the call.

Technical Terminology (RRT) : Users dial a common platform (that is developed in vxml/ccxml) short code like 77777, call goes to the corresponding MSC and MSC send the IAM message to the common platform, in response of IAM common platform sends the ACM and ANM message after that a voice path is established between user and common platform and user listen the bunch of options like press1 to select application1, press2 to select application2 etc when user pressed the DTMF one from his/her phone for the application1, DTMF is received at the common platform in the same time common platform send the REL message to the MSC and MSC sends the RLC message to the common platform at this time internally old voice path is released and

switch initiates a new call with new VAS number 51234 using RRT features and internally MSC sends the IAM to application1, in response of IAM application send the ACM and ANM message and finally a new voice path is established between user and application1. When user disconnect the call MSC sends the REL message to application1 and in response of this application1 sends the RLC message , finally voice path is disconnected and voice circuit is released for the another call. This phenomenon is done only by RRT features when application1, application2 etc are developed in different-different languages like C,C++,Java, PHP etc.
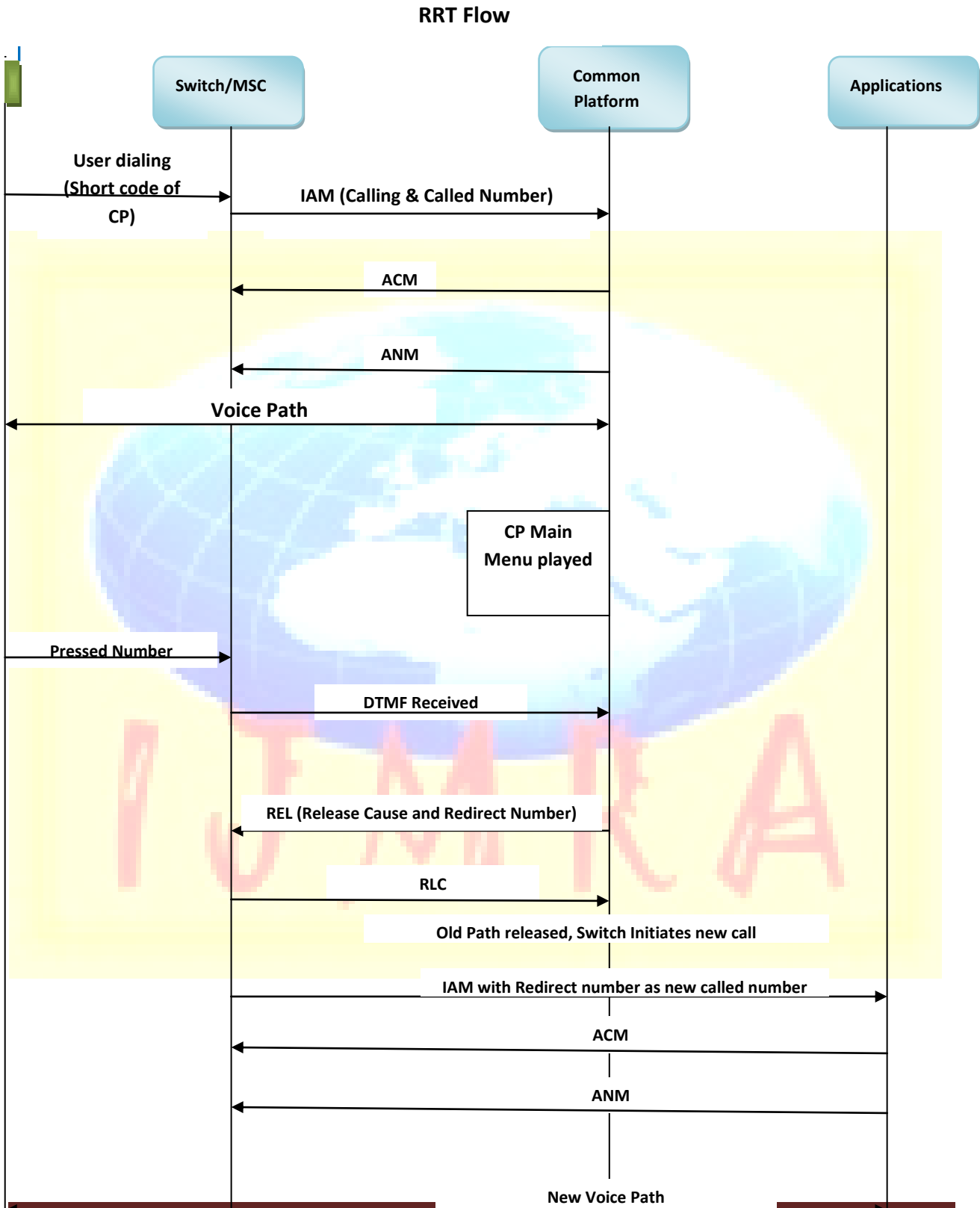
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Glossary:

RRT	Release Reconnect
MSC	Mobile Switching Center
IVR	Interactive Voice Response
IAM	Initial Address Message
ACM	Address Complete Message
ANM	Answer Message
REL	Release
RLC	Release Complete
CP	Common Platform
DTMF	Dual Tone Multifrequency

Figure: This describe the how actually RRT feature running with Call flow.

RRT Flow