

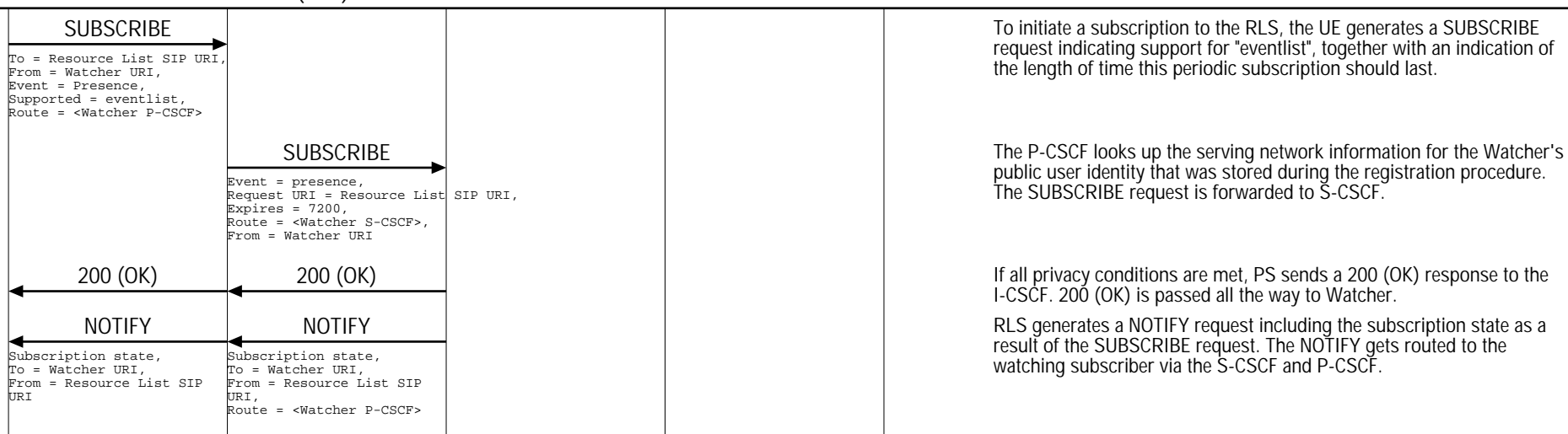
Processor Interfaces (IMS Presence Subscription to a Resource List)					
Watcher UE	Watcher IMS Network		Presentity IMS Networks		EventStudio System Designer 4.0
Watcher User Equipment	Watcher Visited Network	Watcher Home Network	Presentity1 Home Network	Presentity2 Home Network	12-Apr-08 09:28 (Page 1)

This sequence diagram was generated with EventStudio System Designer 4.0 (<http://www.EventHelix.com/EventStudio>). Copyright © 2008 EventHelix.com Inc. All Rights Reserved. The EventStudio source files for this document can be downloaded from <http://www.eventhelix.com/call-flow/ims-presence-resource-list.zip>.

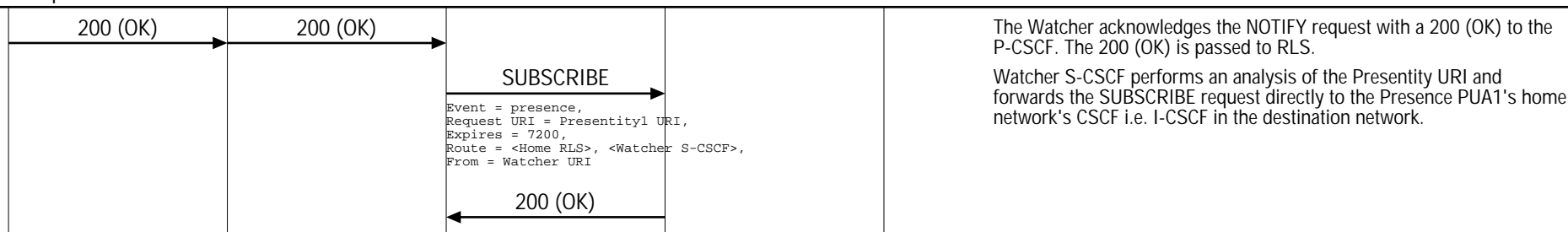
IP Multimedia Subsystem (IMS) provides a framework and building blocks for building advanced telecom services. One such service is network wide publication and subscription of presence information. Users can subscribe to presence information for their contacts. If the contact accepts their request, the subscriber will be registered for presence notification. Whenever the friend publishes presence information, the IMS presence framework will notify the subscribed users.

IMS presence information communication can put a lot of load on the network. One way to reduce this load is to predefine the list of friends and family. When you subscribe to the "friends and family" list, a Resource List Server (RLS) in the IMS subscribes to the individual subscribers (presentities) on your behalf. Once the RLS completes the registrations, it collates the individual presence status into a single NOTIFY message.

User subscribes to the Resource List Server (RLS)



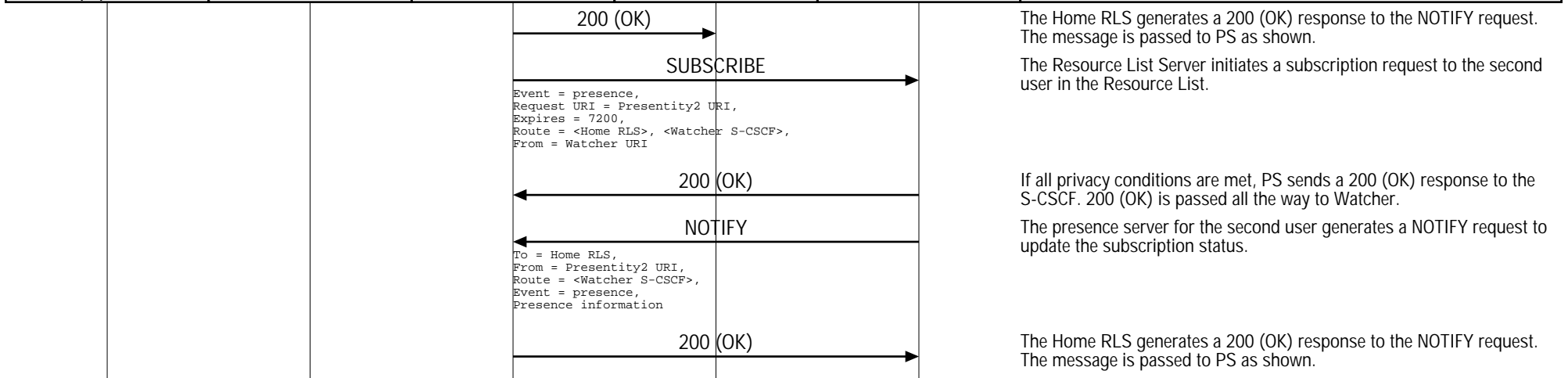
Subscribe to the presence information of all the users on the resource list.



The PS1 detects that Presentity1's UE has been switched off which modifies it presence state information.



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Collate the subscription responses and notify the Watcher UE

