Presence feature subscribing to Resource List (IMS Presence Subscription to a Resource List) Watcher UE Watcher IMS Network Presentity IMS Networks													
Watche Watche Equip	r User Watcher Watcher Home Network		Presentity1 Home Network				y IIVIS INETW	Presentity2 Home Network			EventStudio System Designer 4.0		
Watc	her Wa	tcher Wa	tcher R	Resource List Server	Presentity I-CSCF		ntity1 SCF	Presence Server 1		ntity2 SCF	Presentity2 S-CSCF	Presence Server 2	12-Apr-08 09:28 (Page 1)
EventSt	udio source fi	les for this doc	ument can	be download	ded from ht	ttp://www.e\	/enthelix	.com/call-f	low/ims-pr	esence-	resource-list.zip	D.	x.com Inc. All Rights Reserved. The
IP Multi presenc Whenev	media Subsys e information er the friend p	item (IMS) pro Users can sub publishes prese	vides a fra escribe to p ence inforn	mework and presence info nation, the IM	building bloom rmation for IS presence	ocks for buil r their conta e framework	lding adv cts. If the will not	vanced tele e contact a ify the subs	com servic accepts thei scribed use	es. One r reques rs.	e such service is st, the subscribe	s network wide er will be regis	e publication and subscription of stered for presence notification.
and fam	ily" list, a Res	ation communi ource List Serv atus into a sing	/er (RLS) i	n the IMS sul	oad on the obscribes to	network. On the individu	e way to lal subsc	reduce thi ribers (pre	is load is to esentities) o	predefi n your l	ine the list of fri behalf. Once the	ends and fami e RLS complet	ily. When you subscribe to the "friends tes the registrations, it collates the
	oscribes to th	e Resource Lis	t Server (F	RLS)									To initiate a subscription to the RLS, the UE
T U F E S	o = Resource Li RI, rom = Watcher I vent = Presence upported = ever oute = <watcher< td=""><td>st SIP RI,</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>generates a SUBSCRIBE request indicating support for "eventlist", together with an indication of the length of time this periodic subscription should last.</td></watcher<>	st SIP RI,											generates a SUBSCRIBE request indicating support for "eventlist", together with an indication of the length of time this periodic subscription should last.
		SUBSCRIBE Event = presence Request URI = Re List SIP URI, Expires = 7200, Route = <watche: s-cscf="">,</watche:>	e, esource										The P-CSCF looks up the serving network information for the Watcher's public user identity that was stored during the registration procedure. The SUBSCRIBE request is forwarded to S-CSCF.
		Analyze Resou and determin Applicat	ırce List SIP	ist									Watcher S-CSCF performs an analysis of
			Event = pro	esence, I = Resource 7200, atcher Watcher									the Resource List SIP URI and forwards the SUBSCRIBE request directly to the Resource List's Application Server.
				orization of watch	ner								The Presence Server (PS) performs the necessary authorization checks on the Watcher to ensure it is allowed to watch the Resource List.
	200 (OK)	200 (OK)	200 (C	DK)									If all privacy conditions are met, PS sends a 200 (OK) response to the I-CSCF. 200 (OK) is passed all the way to Watcher.
s	NOTIFY ubscription tate, to = Watcher	NOTIFY Subscription state, To = Watcher	Subscriptic state,	on									RLS generates a NOTIFY request including the subscription state as a result of the SUBSCRIBE request. The NOTIFY gets routed to the watching subscriber via the
F	RI, rom = Resource ist SIP URI	URI, From = Resource List SIP URI, Route = <watche: P-CSCF></watche: 	List SIP U	RI, atcher									S-CSCF and P-CSCF.
Subscri	oe to the pres	ence information	_		e resource	list.							
			SUBSCI Event = pr Request UR. Presentity: Expires = 'W' S-CSCF>, From = Home	esence, I = 1 URI, 7200, atcher									After the Home RLS responds to the SUBSCRIBE request from the UE, it generates the necessary SUBSCRIBE requests to the presentities present in the resource list.
_	200 (OK)	200 (OK)	200 (C	Ok)									The Watcher acknowledges the NOTIFY request with a 200 (OK) to the P-CSCF. The 200 (OK) is passed to RLS.
		determine Pr	Event = pro Request UR Expires = 0	UBSCRIBE esence, I = Presentity: 7200, ome RLS>, <wato< td=""><td>URI,</td><td>,</td><td></td><td></td><td></td><td></td><td></td><td></td><td>Watcher S-CSCF performs an analysis of the Presentity URI and forwards the SUBSCRIBE request directly to the Presence PUA1's home network's CSCF i.e. I-CSCF in the destination network.</td></wato<>	URI,	,							Watcher S-CSCF performs an analysis of the Presentity URI and forwards the SUBSCRIBE request directly to the Presence PUA1's home network's CSCF i.e. I-CSCF in the destination network.
				Quer 'Prese	y HSS to transinity URI' to 'S-CSCF'	'Presentity1							The Presentity I-CSCF sends a query to the HSS to find out the S-CSCF of the Presentity user. The HSS responds with the address of the current S-CSCF for the Presentity. The Presentity1 I-CSCF forwards the SUBSCRIBE request to the Presentity1
					Requ Pres Expi Rout S-CS	nt = presence uest URI = sentityl URI, ires = 7200, te = <present: scf="">,</present:>	_						S-CSCF that will handle the termination.
					F 1011		SUBSC Event = p: Request UI Presentity Expires =	resence, RI = y1 URI, 7200, Presentity1					The S-CSCF forwards the SUBSCRIBE request to the PS.
				200 (OK)	2	200 (OK)	From = Wat Auth	norization of v	watcher				The PS performs the necessary authorization checks on the Watcher to ensure it is allowed to watch the presentity.
			200 (C	OK)	•	, ,	· ·	,					
The PS1	detects that	Presentity1's L	JE has beer	n switched of	f which mo		sence sta	ate informa	ation.				PS sends a NOTIFY request with the current
				sentity1 URI, atcher S-CSCF> esence,									state of the presentity's presence information that the watcher has subscribed and been authorized to.
			NOTII To = Home I Record-Rour S-CSCF>,										The Watcher S-CSCF forwards NOTIFY to Home RLS.
			Event = pro Presence in										

