

IMS Registration (IMS Registration for an Unauthenticated User)								
Visited Network			Internet	Home Network				EventStudio System Designer 4.0
User Equipment	Visited CN		DNS Server	Home IMS			Home CN	
Subscriber	SGSN	GGSN	P-CSCF	DNS Server	I-CSCF	S-CSCF	HSS	24-Nov-07 18:36 (Page 1)

This sequence diagram describes the IMS Registration of a terminal. The IMS registration goes through the following sequence:

- (1) GPRS Attach: The terminal registers to the GPRS Network.
- (2) PDP Context Activation: An IP address is assigned to the terminal.
- (3) Unauthenticated IMS Registration Attempt: The terminal attempts an IMS registration but is challenged by the IMS network to authenticate itself.
- (4) IPSec Security Association Establishment: The terminal establishes a protected session with the IMS network.
- (5) Authenticated IMS Registration: Registration is reattempted. This time the terminal is successfully authenticated and accepted.

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