

Title (en)
HOME LOCATION REGISTER (HLR) HAVING STORED TRIGGER POINTS FOR INVOKING NON-STANDARD PROCESSING OF RECEIVED MAP SIGNALLING MESSAGES AND METHOD THEREFOR

Title (de)
Heimatregister (HLR) mit gespeicherten Triggerpunkten zum Aufruf einer nicht-standardisierten Verarbeitung von MAP Signalisierungsnachrichten und Verfahren dafür

Title (fr)
Registre de rattachement ayant stocké des points de déclenchement pour invoquer un traitement non-standard des messages de signalisation et procédé

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Abstract (en)
[origin: WO2009040351A2] Embodiments of the invention are concerned with improvements to methods performed by, and the configuration of, Home Location Registers. In one arrangement the method involves processing signalling messages received by a Home Location Register (HLR) in a telecommunications network, the signalling messages being received from a device in the telecommunications network via a serving node and being a type of signalling message which is processed by the HLR according to a standardised processing model. The HLR has access to data identifying a plurality of message processing points associated with a given signalling message, and each said message processing point corresponds to a state of processing of the given signalling message by the HLR and is associated with an event to be triggered. The method comprises: in response to receipt of a predetermined type of signalling message by the HLR, identifying a message processing point from the plurality of message processing points on the basis of said type of signalling message; in response to detection of a state of processing of the signalling message corresponding to the identified message processing point, triggering said event so as to provide a response other than those generated by the HLR according to the standardised processing model. Thus with embodiments of the invention, standardised processing of a given signalling message, such as is performed by the HLR in accordance with MAP 29.002 Phase 2+ Specification for 3G networks, is supplemented by means of monitoring for processing points relating to the standardised processing, and performing certain actions when the processing points are detected. The processing points can include, for example, a start and an end point of a MAP state machine. In one arrangement the actions involve sending a control message to a service node in the network which can be used in retrieving data, this being subsequently used by the HLR in formulating a response message corresponding to the signalling message.

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