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Within the flow, click on individual messages and actions to see a detailed description.. In standalone mode, the UE control plane, as well as data plane, is served by 5G-NR See Figure (b) below.. We can understand the flow better by looking at the role played by each entity involved in the interaction.. Starting at this point the gNB starts assigning downlink and uplink resources to the UE via the PDCCH.. The gNB goes on to enable security between the UE and the gNB Once the security setup is completed, the gNB activates the default PDU session via the RRC Reconfiguration message.. As 5G gains momentum, the networks will transition to an end-to-end 5G solution with UEs registering with the 5G Core Network.

Par5E Dmg Registration Flow ThePar5E Dmg Download Now SaveBrowse Books Site Directory Site Language: English Change Language English Change Language.. G-5G dual connectivity vs 5G standalone architecture We have already discussed 4G-5G dual connectivity.. Click on the following image to see the eNB interactions in 5G registration G Standalone Access gNB 5G Core interactions AMF Access and Mobility Function The AMF coordinates the 5G standalone registration procedure.. The NAS signaling authenticates the UE and establishes a ciphered link between the AMF and the UE.. Par5E Dmg Download Now SaveMaguina Rd Uploaded by Nelson Jos Saldaa Dvila 0 ratings 0 found this document useful (0 votes) 12 views 125 pages Document Information click to expand document information Description: CB Date uploaded Oct 16, 2017 Copyright All Rights Reserved Available Formats PDF, TXT or read online from Scribd Share this document Share or Embed Document Sharing Options Share on Facebook, opens a new window Facebook Share on Twitter, opens a new window Twitter Share on LinkedIn, opens a new window LinkedIn Share with Email, opens mail client Email Copy Text Copy Link Did you find this document useful 0 0 found this document useful, Mark this document as useful 0 0 found this document not useful, Mark this document as not useful Is this content inappropriate Report this Document Download Now Save Save Maguina Rd For Later 0 ratings 0 found this document useful (0 votes) 12 views 125 pages Maguina Rd Uploaded by Nelson Jos Saldaa Dvila Description: CB Full description Save Save Maguina Rd For Later 0 0 found this document useful, Mark this document as useful 0 0 found this document not useful, Mark this document as not useful Embed Share Print Download Now Jump to Page You are on page 1 of 125 Search inside document.. Here we will focus on the 5G standalone access that takes advantage of the 5G service based architecture.. It also transports the Registration Complete message to the AMF At this point, downlink and uplink data streams are flowing between the UE and the Internet.. Par5E Dmg Registration Flow TheG standalone access registration flow The 5G standalone access registration signaling flow is similar to the 4G attach and default bearer establishment flow.

The message also carries the Registration Accept message from the AMF With dual connectivity, the 5G data plane is introduced in a largely 4G network See Figure (a) below.. The gNB transports the Registration Request from the UE to the AMF The gNB carries the NAS signaling between the UE and the gNB.. Click on the following image for the sequence diagram describing the UE role during a 5G registration.. G standalone access registration complete flow The complete 5G standalone access flow is fairly complex.. The AMF also checks the 5G-EIR to verify that registration is not being attempted from a stolen device.. Then the AMF updates the SMF context and sends an Initial Context Setup Request to activate the default PDU session.. The AMF then authenticates the UE after obtaining the keys from the AUSF NAS level security is established between the UE and the AMF.. Perform NAS level authentication and initiate ciphering for the NAS messages with the 5G core.. Discover everything Scribd has to offer, including books and audiobooks from major publishers.

UE interactions UE performs the following interactions during the standalone registration procedure: Perform the random access procedure to initiate communication with the gNB.. G Standalone Access UE role gNB interactions The gNB acts as the conduit for communication between the UE and the 5G Core: Handle the random access request from the UE and assign resources for initiating the RRC connection.. The sequence of interactions is: Handle the Initial UE Message from the gNB On getting the Registration Request, the new AMF obtains the UE context from the old AMF.

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