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(54) **PEIPS APPLICABILITY CONSIDERING NON-3GPP REGISTRATION**

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(57) **ABSTRACT**

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A method of handling Paging Early Indication with Paging Subgrouping (PEIPS) assistance information when a UE is registered to the same or different PLMN/SNPN networks is proposed. The PEIPS assistance information includes PEIPS parameters such as a PEIPS subgroup ID that is used by the UE for monitoring paging with PEIPS for power saving. If the UE registers to the same PLMN/SNPN via 3GPP access and non-3GPP access, then the UE handles the PEIPS parameters as one common parameters. If the UE registers to different PLMN/SNPN via 3GPP access and non-3GPP access, then the UE handles the PEIPS parameters as two independent parameters.

