

**Release Notes for MAPS™ 5G Products - version 22.5.13**

<b>MAPS™ 5G Release</b>	
<b>Reason for Release / Description of Enhancement</b>	<b>Version</b>
<b>MAPS™ 5G N1N2</b> <ul style="list-style-type: none"> <li>• <b>Specification referred:</b> NGAP-TS38.413 Release15 and 5GNAS-TS24.501 Release15</li> <li>• Supported SMS over 5G NAS and IMS</li> <li>• Supported MobileDataTraffic (IPv4) and VoNR Traffic (Sip-IPv4/IPv6, RTP)</li> <li>• Supported Procedures: <ul style="list-style-type: none"> <li>➢ UE Initial Registration</li> <li>➢ Authentication supported for Tuak, Milenage, and XOR</li> <li>➢ Security Mode supported for integrity-EIA0/EIA1/EIA2 and Cipherring-EEA0, EEA1)</li> <li>➢ Identification procedure</li> <li>➢ UE Initiated PDU Session Establishment and Release</li> <li>➢ Network Initiated PDU Session Modification</li> <li>➢ UE Initiated Service Request</li> <li>➢ UE Context Release</li> <li>➢ UE/Network initiated Deregistration</li> <li>➢ Paging Procedure for MT call</li> </ul> </li> </ul>	<b>22.5.13</b>
<b>MAPS™ 5G N4</b> <ul style="list-style-type: none"> <li>• Specification referred TS29.244 Release 15</li> <li>• Supported MobileDataTraffic (IPv4)</li> <li>• Supported Procedures: <ul style="list-style-type: none"> <li>➢ N4 PFCPSessionAssociationSetup and HeartBeat procedure</li> <li>➢ N4 Session Establishment/Modification/Release</li> </ul> </li> </ul>	<b>22.5.13</b>
<b>MAPS™ 5G N8</b> <ul style="list-style-type: none"> <li>• Specification referred TS29.503 Release 15, version 1.0.2</li> <li>• Supported Procedures: <ul style="list-style-type: none"> <li>➢ Nudm_SubscriberDataManagement Service (SDM)</li> <li>➢ Nudm_UEContextManagement Service (UECM)</li> </ul> </li> </ul>	<b>22.5.13</b>
<b>MAPS™ 5G N10</b> <ul style="list-style-type: none"> <li>• Specification referred TS29.503 Release 15, version 1.0.2</li> <li>• Supported Procedures: <ul style="list-style-type: none"> <li>➢ Nudm_SubscriberDataManagement Service (SDM)</li> <li>➢ Nudm_UEContextManagement Service (UECM)</li> </ul> </li> </ul>	<b>22.5.13</b>
<b>MAPS™ 5G N11</b> <ul style="list-style-type: none"> <li>• Specification referred TS29.502 Release 15 and TS29.518 Release 15</li> <li>• Supported Procedures: <ul style="list-style-type: none"> <li>➢ Nsmf_PDUSession Service</li> <li>➢ Namf_Communication Service</li> </ul> </li> </ul>	<b>22.5.13</b>

<b>MAPS™ 5G N12</b> <ul style="list-style-type: none"> <li>• Specification referred TS29.509 Release 17, version 0.0.0</li> <li>• Authentication supported for Tuak, Milenage and XOR</li> <li>• Supported Procedure: <ul style="list-style-type: none"> <li>➤ Nausf_UEAuthentication Service</li> </ul> </li> </ul>	<b>22.5.13</b>
<b>MAPS™ 5G N13</b> <ul style="list-style-type: none"> <li>• Specification referred TS29.503 Release 17 and TS29.509 Release 17</li> <li>• Authentication supported for Tuak, Milenage, and XOR</li> <li>• Supported Procedures: <ul style="list-style-type: none"> <li>➤ Nudm_UEAuthentication Service</li> <li>➤ Nausf_SoRProtection Service</li> <li>➤ Nausf_UPUProtection Service</li> <li>➤ UE Context Clean-up in AUSF</li> </ul> </li> </ul>	<b>22.5.13</b>
<b>MAPS™ 5G N17</b> <ul style="list-style-type: none"> <li>• Specification referred TS29.511 Release 15</li> <li>• Supported Procedure: <ul style="list-style-type: none"> <li>➤ N5g-eir_EquipmentIdentityCheck Service</li> </ul> </li> </ul>	<b>22.5.13</b>
<b>MAPS™ 5G N20</b> <ul style="list-style-type: none"> <li>• Specification referred TS29.540 Release 15 and TS29.518 Release 15</li> <li>• Supported Procedures: <ul style="list-style-type: none"> <li>➤ Nsmsf_SMSService</li> <li>➤ Namf_Communication Service</li> <li>➤ Namf_MT ServiceService</li> </ul> </li> </ul>	<b>22.5.13</b>
<b>MAPS™ 5G N21</b> <ul style="list-style-type: none"> <li>• Specification referred TS29.503 Release 15, version 1.0.2</li> <li>• Supported Procedures: <ul style="list-style-type: none"> <li>➤ Nudm_SubscriberDataManagement Service (SDM)</li> <li>➤ Nudm_UEContextManagement Service (UECM)</li> </ul> </li> </ul>	<b>22.5.13</b>
<b>MAPS™ 5G N29</b> <ul style="list-style-type: none"> <li>• Specification referred TS29.508 Release 17.1.0</li> <li>• Supported Procedure: <ul style="list-style-type: none"> <li>➤ Nsmf_EventExposure (Subscription and Notification)</li> </ul> </li> </ul>	<b>22.5.13</b>
<b>MAPS™ 5G N51</b> <ul style="list-style-type: none"> <li>• Specification referred TS29.518 Release 17.0.0</li> <li>• Supported Procedure: <ul style="list-style-type: none"> <li>➤ Namf_EventExposure Service (Subscription and Notification)</li> </ul> </li> </ul>	<b>22.5.13</b>