**Proposal No. 11**

(Proposal details for the R&D scheme of USOF)

**Subject: 5G Security platform**

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| Problem Statement / Challenge title | Development of Zero Trust Platform for 5G Service Providers |
| Challenge brief / definition | Zero Trust is a strategic approach to cybersecurity that secures an organization by eliminating implicit trust and continuously validating every stage of a digital interaction. Zero Trust for 5G removes implicit trust regardless of what the situation is, who the user is, where the user is or what application they are trying to access. Delivering the Zero Trust Enterprise means taking Zero Trust principles, making them actionable and effectively rebuilding security to keep pace with digital transformation. |
| Future expectation | The solution should contain PoC to demonstrate zero trust architecture principal with preferably any 5G service provider or with a network that follows 5G core architecture.<br>The Zero Trust Architecture Principal should be complied with NIST documentation on Zero Trust Architecture (NIST Special Publication 800-207).<br>The solution should also integrate automated detection/prevention of anomalies and DDoS (Distributed Denial of Service) attack using AI enabled firewalls and automation. AI solution should have Next Generation Antivirus, extended Detection and Response and User and Entity Behavioral Analytics |

**Format of Response**

Companies / organizations / institutions / individuals developing enabling technologies / modules / components / subsystems / products are required to respond in the format provided in Annexure-A, on the DOT website (link address provided- refer “format of response”)