Proposal No. 18
(Proposal details for the R&D scheme of USOF)

Subject: AI enabled use cases applications

Problem Statement	AI enabled self-networked remotely operated vehicles (ROV)
Problem Description	While executing operations in Low-networked zones, there are frequent issues of latency in communication between the ROVs and the CnC center.
	It is required that there should be an AI enabled edge-based communication protocol for ROVs to communicate between themselves and relay instructions and data in an optimal manner.
	The protocol should support dynamic discovery, ensure trustworthiness of ROV and communication, compress and decompress the transmitted information and relay instructions and data between themselves.

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")