

Announcement of NFPF Competition

RFQ-CO-NFPF-2022-003

**Development and demonstration of a STANAG 5066 TRANSEC
(Transmission security) layer**

Estimated Value: EUR 48.000

RFQ Estimated Release Date: Q3 2022

Estimated Bid Closing Date: Q3 2022

Estimated Award Date: Q4 2022

The prospective Not-for profit Organisations' list is attached.

Interested organizations holding an active in NFPF Agreement with the NCI Agency may contact the below POCs to request inclusion in the Bidders' list:

Lise Vieux-Rochat and Gracja Jablonska solely at:
nfpf@ncia.nato.int

Annexes:

1. Summary of Requirements
2. Prospective Organisations List

Annex A – Summary of Requirements

1. Introduction

The purpose of this Request for Quotation is to describe the work to be executed by a team of scientific consultants for the development and prototyping of a TRANSEC (transmission security) layer for Standardization Agreement (STANAG) 5066 “Profile for HF Radio Data Communications”. Specifically, the work shall include the analysis of existing proposals, their practical implementation and, upon agreement, recommendations for improving the existing proposals.

2. Project Scope

STANAG 5066 Edition 3 – Profile for HF Radio Data Communications – is a well-established profile for data communication over High Frequency (HF) radio. It provides the technical specifications for reliable data transfer over a HF subnetwork by implementing several techniques that cope with HF channel impairments. Considering the required scope of work and required profile(s), the requestor estimates that the work will cover at least 50 days of effective research, writing, software development, experimentation, holding external discussions, modifying documents after each meeting, and reporting progress.

Annex B – Prospective Bidder List

1	ISDEFE	Spain/ESP
2	Instituto de Telecomunicacoes	Portugal/PRT
3	NASK - National Research Institute	Poland/POL
4	Universidade Autonoma	Portugal/PRT
5	TECHNICAL UNIVERSITY OF MADRID/Universidad Politecnica de Madrid	Spain/ESP
6	Czech Technical University in Prague	Czech Republic/CZE
7	INOV - Portuguese research centre in Information and Communication Technologies (ICT) and Electronics	Portugal/PRT
8	INEGI – Institute of Science and Innovation in Mechanical and Industrial Engineering	Portugal/PRT
9	Spektrum RDS LTD	United Kingdom/GBR