Annex no 1

**Detailed description of the subject of the order no. JERZYK 01/06/2025**

**Name:** purchase and delivery of cognitive radar (1 set):

**Offer description parameters:**

**Key parameters of the radar/radiolocation system:**

|  |  |
| --- | --- |
| Coverage  (azimuth / elevation) | 360° / 90° |
| Tracking accuracy  (azimuth / elevation) | < 0.5° / < 0.5° |
| Refresh rate | >= 10 Hz |
| Number of simultaneously tracked objects | > 100 |
| Tracking range of micro-class drones | >= 2,5 km |
| Operating frequency (radiolocation) | Compliant with the National Frequency Allocation Table (purpose: “radiolocation”) |
| Possibility of On-the-move (OTM) operatio | ✕ (optional) |

**Required functionalities:**

|  |  |
| --- | --- |
| Communication interface (Eth) | ✓ (YES) |
| Possibility of software control (API) | ✓ (YES) |
| Possibility of downloading measurements / tracks / radar status (API) | ✓ (YES) |
| Possibility of measuring spectrograms (API) | ✕ (optional) |
| UAS classification | ✕ (optional) |
| Software updates available | ✓ (YES) |

**Physical characteristics:**

|  |  |
| --- | --- |
| Weight (total) | <100 kg |
| Power consumption | <= 1000W |

**Environment:**

|  |  |
| --- | --- |
| Operating temperature range | -40 °C to 49 °C |
| IP rating | IP67 |

**Required standards / certifications**

|  |  |
| --- | --- |
| CE | ✓ (YES) |
| MIL-STD-810 H | ✕ (optional) |
| STANAG 4370 | ✕ (optional) |