

## RADAR MITIGATION ACRONYMS

| Acronym | Meaning  |
|---------|--|
| AARA    | Air to Air Refuelling Area                       |
| AB      | Air Base   |
| ACP     | Airspace Change Proposal                         |
| AD      | Air Defence                                      |
| ADR     | Air Defence Radar                                |
| AGC     | Automatic Gain Control                           |
| AGL     | Above Ground Level                               |
| AIP     | Aeronautical Information Publication             |
| AIS     | Aeronautical Information Service                 |
| AMSL    | Above Mean Sea Level                             |
| ANSP    | Air Navigation Service Provider                  |
| ASACS   | Air Surveillance and Control System              |
| ASR     | Airport Surveillance Radar                       |
| ATC     | Air Traffic Control                              |
| ATNS    | Air Traffic Navigation Services (South Africa)   |
| ATS     | Air Traffic Service                              |
| ATSOCAS | Air Traffic Services Outside Controlled Airspace |
| CAA     | Civil Aviation Authority                         |
| CAP     | Civil Aviation Publication (UK)                  |
| CAS     | Controlled Airspace                              |
| CASA    | Civil Aviation Safety Authority (Australia)      |
| CFAR    | Constant False Alarm Rate                        |
| CIR     | Carrier to Interference Ratio                    |
| CNS     | Communications, Navigation and Surveillance      |
| CRT     | Cathode Ray Tube                                 |
| dB      | Decibels   |
| dBm     | Decibels (milliwatt)                             |
| DIO     | Defence Infrastructure Organisation (UK)         |
| DGAC    | Direction générale de l'aviation civile (France) |
| EASA    | European Union Aviation Safety Agency            |
| EMF     | Electromagnetic Fields                           |
| EMI     | Electromagnetic Interference                     |
| FAA     | Federal Aviation Administration (USA)            |
| FL      | Flight Level                                     |

|      |   |
|------|---|
| FSPL | Free Space Path Loss                        |
| GHz  | Gigahertz                                   |
| Hz   | Hertz                                       |
| IAA  | Irish Aviation Authority                    |
| ICAO | International Civil Aviation Organisation   |
| IFP  | Instrument Flight Procedure                 |
| IFR  | Instrument Flight Rules                     |
| ITU  | International Telecommunications Union      |
| LAT  | Lowest Astronomical Tide                    |
| LOS  | Line of Sight                               |
| MAA  | Military Aviation Authority (UK)            |
| MDS  | Minimum Detectable Signal                   |
| MHz  | Megahertz                                   |
| MOD  | Ministry of Defence (UK)                    |
| MSSR | Monopulse Secondary Surveillance Radar      |
| MTD  | Moving Target Detection                     |
| MTI  | Moving Target Indication                    |
| MRT  | Multi Radar Tracker                         |
| MSL  | Mean Sea Level                              |
| MW   | Megawatts                                   |
| NAIA | Non Auto Initiation Area                    |
| NAIZ | Non Auto Initiation Zone                    |
| NATO | North Atlantic Treaty Organisation          |
| NATS | Formerly National Air Traffic Services (UK) |
| NIW  | Non Initiation Window                       |
| nm   | Nautical Mile                               |
| OWF  | Offshore Wind Farm                          |
| PAR  | Precision Approach Radar                    |
| PD   | Probability of Detection                    |
| PFA  | Probability of False Alarm                  |
| PPI  | Plan Position Indicator                     |
| PRF  | Pulse Repetition Frequency                  |
| PSR  | Primary Surveillance Radar                  |
| RAF  | Royal Air Force (UK)                        |
| RAG  | Range Azimuth Gating                        |
| RAP  | Recognized Air Picture                      |
| RCS  | Radar Cross Section                         |
| RLOS | Radar Line of Sight                         |

|       |   |
|-------|---|
| RM    | Project RM mitigation for NATS Raytheon radar |
| RMS   | Radar Mitigation Scheme                       |
| RPM   | Revolutions Per Minute                        |
| SAAF  | South African Air Force                       |
| SACAA | South African Civil Aviation Authority        |
| SAR   | Synthetic Aperture Radar                      |
| SSR   | Secondary Surveillance Radar                  |
| STC   | Sensitivity Time Control                      |
| TMZ   | Transponder Mandatory Zone                    |
| UHF   | Ultra High Frequency                          |
| VFR   | Visual Flight Rules                           |
| VHF   | Very High Frequency                           |