|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Operator name**: | | **IT.AOC.** | | **A/C type:** | | | | | **Location:** |
| **Implementing Rule reference: Annex V Part-SPA Subpart H**  **(EU) 965/2012 as amended** | | | Y: Applicable  N: Not Aplicable | | | |  | | |
| **Requirements reference** | **Subject** | | | | Y | N | | **Operator’s Documentation Reference** | |
| 1. **Night vision imaging system (NVIS) operations - *SPA.NVIS.100*** | | | | | | | | | |
| (a) | *Helicopters shall only be operated under VFR at night with the aid of NVIS if the operator has been approved by the competent authority.* | | | |  |  | |  | |
| (b) | *To obtain such approval by the competent authority, the operator shall:*  *(1) operate in commercial air transport (CAT) and hold a CAT AOC in accordance with Annex III (Part-ORO);*  *(2) demonstrate to the competent authority:*  *(i) compliance with the applicable requirements contained in this Subpart;*  *(ii) the successful integration of all elements of the NVIS.* | | | |  |  | |  | |
| 1. **Equipment requirements for NVIS operations - SPA.NVIS.110** | | | | | | | | | |
| (a) | *Before conducting NVIS operations each helicopter and all associated NVIS equipment shall have been issued with the relevant airworthiness approval in accordance with Regulation (EU) No 748/2012.* | | | |  |  | |  | |
| (b) | *Radio altimeter*. *The helicopter shall be equipped with a radio altimeter capable of emitting an audio warning below a pre-set height and an audio and visual warning at a height selectable by the pilot, instantly discernable during all phases of NVIS flight.* | | | |  |  | |  | |
| (c) | *Aircraft NVIS compatible lighting. To mitigate the reduced peripheral vision cues and the need to enhance situational awareness, the following shall be provided:*  *(1) NVIS-compatible instrument panel flood-lighting, if installed, that can illuminate all essential flight instruments;*  *(2) NVIS-compatible utility lights;*  *(3) portable NVIS compatible flashlight; and*  *(4) a means for removing or extinguishing internal NVIS non-compatible lights.* | | | |  |  | |  | |
| (d) | *Additional NVIS equipment*. The following additional NVIS equipment shall be provided:  (1) a back-up or secondary power source for the night vision goggles (NVG);  (2) a helmet with the appropriate NVG attachment. | | | |  |  | |  | |
| (e) | *All required NVGs on an NVIS flight shall be of the same type, generation and model.* | | | |  |  | |  | |
| (f) | *Continuing airworthiness*  *(1) Procedures for continuing airworthiness shall contain the information necessary for carrying out ongoing maintenance and inspections on NVIS equipment installed in the helicopter and shall cover, as a minimum:*  *(i) helicopter windscreens and transparencies;*  *(ii) NVIS lighting;*  *(iii) NVGs; and*  *(iv) any additional equipment that supports NVIS operations.* | | | |  |  | |  | |
| AMC1(b) | *Radio Altimeter* | | | |  |  | |  | |
| 1. **Operating minima - *SPA.NVIS.120*** | | | | | | | | | |
| (a) | *Operations shall not be conducted below the VFR weather minima for the type of night operations being conducted.* | | | |  |  | |  | |
| (b) | *The operator shall establish the minimum transition height from where a change to/from aided flight may be continued.* | | | |  |  | |  | |
| 1. **Crew requirements for NVIS operations - *SPA.NVIS.130*** | | | | | | | | | |
| (a) | *Selection. The operator shall establish criteria for the selection of crew members for the NVIS task.* | | | |  |  | |  | |
| (b) | *Experience. The minimum experience for the commander shall not be less than 20 hours VFR at night as pilot-in-command/commander of a helicopter before commencing training.* | | | |  |  | |  | |
| (c) | *Operational training. All pilots shall have completed the operational training in accordance with the NVIS procedures contained in the operations manual.* | | | |  |  | |  | |
| (d) | *Recency. All pilots and NVIS technical crew members conducting NVIS operations shall have completed three NVIS flights in the last 90 days. Recency may be re-established on a training flight in the helicopter or an approved full flight simulator (FFS), which shall include the elements of (f)(1).* | | | |  |  | |  | |
| 1. **Crew requirements for NVIS operations - *SPA.NVIS.130*** | | | | | | | | | |
| (e) | *Crew composition. The minimum crew shall be the greater of that specified:*  *(1) in the aircraft flight manual (AFM);*  *(2) for the underlying activity; or*  *(3) in the operational approval for the NVIS operations.* | | | |  |  | |  | |
| (f) | *Crew training and checking*  *(1) Training and checking shall be conducted in accordance with a detailed syllabus approved by the competent authority and included in the operations manual.*  *(2) Crew members*  *(i) Crew training programmes shall: improve knowledge of the NVIS working environment and equipment; improve crew coordination; and include measures to minimise the risks associated with entry into low visibility conditions and NVIS normal and emergency procedures.*  *(ii) The measures referred to in (f)(2)(i) shall be assessed during:*  *(A) night proficiency checks; and*  *(B) line checks.* | | | |  |  | |  | |
|  | ***Subpart T.C.****: technical crew in hems, hho or nvis operations* | | | |  |  | |  | |
| AMC1(f)(1) | *Training and checking syllabus* | | | |  |  | |  | |
| AMC1(f) | *Checking of NVIS crew members* | | | |  |  | |  | |
| 1. **Information and documentation - *SPA.NVIS.140*** | | | | | | | | | |
|  | *The operator shall ensure that, as part of its risk analysis and management process, risks associated with the NVIS environment are minimised by specifying in the operations manual: selection, composition and training of crews; levels of equipment and dispatch criteria; and operating procedures and minima, such that normal and likely abnormal operations are described and adequately mitigated.* | | | |  |  | |  | |
| AMC1 | *Operations manual:*  *The operations manual should include:*  *(a) equipment to be carried and its limitations;*  *(b) the minimum equipment list (MEL) entry covering the equipment specified;*  *(c) risk analysis, mitigation and management;*  *(d) pre- and post-flight procedures and documentation;*  *(e) selection and composition of crew;*  *(f) crew coordination procedures, including:*  *(1) flight briefing;*  *(2) procedures when one crew member is wearing NVG and/or procedures when two or more*  *crew members are wearing NVGs;*  *(3) procedures for the transition to and from NVIS flight;*  *(4) use of the radio altimeter on an NVIS flight; and*  *(5) inadvertent instrument meteorological conditions (IMC) and helicopter recovery*  *procedures, including unusual attitude recovery procedures;*  *(g) the NVIS training syllabus;*  *(h) in-flight procedures for assessing visibility, to ensure that operations are not conducted below the*  *minima stipulated for non-assisted night VFR operations;*  *(i) weather minima, taking the underlying activity into account; and*  *(j) the minimum transition heights to/from an NVIS flight.* | | | |  |  | |  | |
| **Remarks (state non conformities with reference to RMK ref. no.):** | | | | | | | | | |

|  |  |
| --- | --- |
| **NOMINATED PERSON FLIGHT OPERATIONS**  **NOMINATED PERSON CREW TRAINING**  **COMPLANCE MONITORING MANAGER** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |