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**Silence Procedure ends:**  
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**NATO ARMY ARMAMENTS GROUP (NAAG)**

**JOINT CAPABILITY GROUP VERTICAL LIFT (JCGVL)**

**Revised Terms of Reference (ToR) for the Informal Working Group on Helicopter Operations in Low Altitude Degraded Visual Environments (DVE IWG)**

**Note by the JCGVL Staff Advisor**

1. The Informal Working Group on Helicopter Operations in Low Altitude Degraded Visual Environments (DVE IWG), formed in 2014, achieved significant progress in its field and completed most of its tasks then assigned, and furthered its work in the new grounds for implementation of the DVE solutions tested in 2016 and 2017. This necessitated a review of the Group's task list and the associated mission. NAAG's JCGVL discussed the new DVE tasks at its meeting held on 27-28 September 2017. This discussion is reflected in the attached Revised Terms of Reference (ToR) for the DVE IWG.

2. As noted by JCGVL at their September 2017 meeting, the DVE IWG current management is formed of:

- Chairman: Mr. Samuel Allemann (CHE)
- Deputy Chairman: Mr. Allan Walker (USA)
- Rapporteur: Dr. Alan L. Moore (USA)

3. The Revise 1 of the AC/224(VL)D(2014)0001 was submitted for approval under silence until 3 January 2018. The silence was broken regarding the clause 5.1, which necessitated the issue of the Revise 2.

4. The Revise 2 of the Terms of Reference of the DVE Informal Working Group is hereby submitted for the agreement of the JCGVL under an extended silence period to end on **26 January 2018**. The DVE IWG ToR will be deemed effective unless I receive any comment by this date.

(Signed) O. TASMAN

1 Annex

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Original: English

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**NATO ARMY ARMAMENTS GROUP**  
**JOINT CAPABILITY GROUPS VERTICLE LIFT (JCGVL)**  
**INFORMAL WORKING GROUP ON DVE (DVE IWG)**

**TERMS OF REFERENCE**

**1. AREA OF RESPONSIBILITY**

- 1.1 The Informal Working Group on Rotorcraft Operations in Degraded Visual Environments (DVE IWG) is responsible for the exchange and coordination of information and activities related to DVE technology development, demonstrations and evaluation.

**2. MISSION**

- 2.1 The mission of DVE IWG is to assist nations in the development of an interoperable DVE capability.

**3. TASKS**

- 3.1 Identify opportunities for demonstration and evaluation of evolving DVE capabilities, technologies and airworthiness certification.
- 3.2 The DVE technology areas of interest include, but are not limited to Sensors, Flight Controls, Human Machine Interface, Guidance, System Integration and autonomy.
- 3.3 Develop a common knowledge and understanding of system requirements and available trade space.
- 3.4 Identify applicable STANAGs/Standards during the course of the effort. Propose new STANAGs or the modification to existing STANAGs/Standards.
- 3.5 Interface with other NATO organizations and agencies involved in similar efforts.
- 3.6 Keep JCG VL apprised of the status of the program at their semi-annual meetings.

**4. COMPOSITION AND ORGANIZATION**

- 4.1 The DVE IWG is a group under the permanent JCG VL of the NATO Army Armaments Group (NAAG).
- 4.2 DVE IWG is composed of representatives from both government and industry.
- 4.3 The Chairperson will be from a European nation, the Vice-Chairman will be from the United States. The members will elect the Rapporteur.
- 4.5 DVE IWG will be disbanded at the completion of its mission or as directed by the JCG VL.

**5. COOPERATION WITH PARTNERS**

- 5.1 The activities of DVE IWG are open to Australia, Finland, Ireland, Japan, New Zealand, Republic of Korea, Sweden, Switzerland.
- 5.2 Opening of DVE IWG activities to new partners is subject to approval by the appropriate NATO authority, in accordance with the current NATO policy guidelines, as detailed in the Main Armaments Group (MAG) Handbook<sup>1</sup>.

**6. METHOD OF WORK**

- 6.1 DVE IWG will meet as required at the call of the Chairperson, who will announce the agenda, meeting dates and venue.
- 6.2 DVE IWG will make maximum use and advantage of virtual meeting in conducting its work.
- 6.3 Nations/industry will be responsible for funding their respective activities and participation.
- 6.4 DVE IWG will work up to and including classification NATO CONFIDENTIAL, but should use the lowest security classification appropriate.
- 6.5 DVE IWG will follow the relevant procedures outlined in the MAG Handbook and directed by the NAAG and JCGVL.

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<sup>1</sup> Contains procedures for practical cooperation with PfP, Mediterranean Dialogue (MD), Istanbul Cooperation Initiative (ICI), Partners Across the Globe having a partnership program with NATO (PAG), as well as key global actors.