

1. **Title of Proposed Study:** High Power Microwave Systems
2. **Brief Description of Proposed Study:** Military applications of high power microwaves have become more available for the last years. With peak pulse power alternatives ranging from a few hundreds of MWs to 10 GWs, high power microwave systems will be the weapon of choice for the future armed forces. In order to deal with new technology electronic equipment and advanced technologies, development of both stationary, airborne and ground vehicle borne high power microwave systems are needed.
3. **Background:** High power microwave systems with peak pulse power alternatives ranging from a few hundreds of MWs to 10 GWs have been studied by researchers for the last few years.
4. **Objectives of the Study:** Determination of pre-feasibility/feasibility of developing both airborne and ground vehicle borne high power microwave systems for missions such as dealing with advanced electronic weapons.
5. **Please indicate whether you would like to be presented with alternative solution options, taking into consideration that exploring various options may reduce the depth of the study scope:** Yes
6. **NATO Priority:** -
7. **Intended Follow on to the Study:** Pre-feasibility/Feasibility of developing systems that enable front door and back door coupling within adequate distance can be examined.
8. **Other NATO Bodies Involved in the Related Area of Work:** -
9. **Current Industrial Involvement with the Sponsor Group:** -
10. **Proposed Start Date:** 2021
11. **Desired Completion Date:** 2022
12. **Study Classification:** NATO Restricted
13. **Study Open to Partner Industries:** NATO member country industries only.
14. **Final report releasable to:** NATO members only.
15. **Sponsoring Group Point and IS Point of Contact:**

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