

1. **Title of Proposed Study:** Additive Manufacturing/3D Printing Technologies on Battlefield
2. **Brief Description of Proposed Study:** It is expected to produce critical metal, composite and polymer spare parts for combat systems, to be used until the actual spare parts come from the stocks, by additive manufacturing/3D printing technologies at mobile facilities in the close area to battlefield.
3. **Background:** Currently, large scale manufacturing technologies in stationary facilities is being studied by researchers.
4. **Objectives of the Study:** Determination of whether fast and small scale manufacturing of spare parts of combat systems which are instantly demanded by mobile army units in the close area to battlefield is economically and technologically feasible.
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:** It is expected that production of spare parts which need secondary processing in manufacturing will be evaluated economically and technologically.
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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