

## **TERMS OF REFERENCE (TORs) FOR THE ADDITIVE MANUFACTURING DIGITAL THREAD/ INVENTORY WORKING GROUP**

### **Background**

1. CDLS tasked the SpTx Innovation team with pre-discovery work to test the feasibility of pursuing 'Additive Manufacturing (AdM) as a Service' through an Industry provider(s), whilst acknowledging the related but independent internal MOD investments underway in AdM, mainly focused on prototyping and limited parts production in the deployed space. The pre-discovery work investigated the feasibility of an AdM service provided from within the strategic base and also examined the choices available in the marketplace in respect of who should produce components in the context of a centralised strategic base capability. It also established the degree to which the model could be extended into the MOD Supply Chain.
2. The pre-discovery findings were subsequently briefed at DSEI in Aug 21 and CDLS gave notice of the intention to accelerate AdM as a key component of the Defence Supply Chain. Accordingly, a commercial framework has been created in order to accelerate the maturity of metal AdM technologies to get them to the point where Industry are producing metallic parts for the Defence Inventory, working with DE&S DTs and FLC's and fitted to In-Service platforms, for which the print files are transmissible, and IPR and certification has been addressed. Concurrently we will work collaboratively with industry through a series of Industry/ MOD co-chaired Working Groups to ensure that certification, IPR, inventory management and the 'Digital Thread/ Inventory' are addressed so that we can create the conditions to expand the uptake of this technology across the broadest range of inventory possible.

### **Authority.**

3. The Digital Thread/ Inventory WG (DTIWG) receives its authority, direction and guidance from the AdM Executive Group and will develop proposals for policy, guidance, standards and where necessary capability requirements to a point where DefSp can produce candidate options for endorsement, prior to submission for investment. These ToRs provide the authority and framework for the initiation and conduct of the DTIWG.

### **Scope/Function.**

4. Co-chaired by Lt Col Si Perrett (on behalf of MOD) and xxx (on behalf of Industry), the scope of the DTIWG is:
  - a. To convene key stakeholders to identify and review the current policy, guidance and standards relating to the production, storage, transmission, and security of print files. To specifically investigate network requirements and security classifications.
  - b. To propose a future 'digital' vision that supports the conditions to expand the uptake of this technology across the broadest range of inventory possible.
  - c. To identify the gaps that need to be addressed and provide a coherent plan of action for addressing these, identifying the risks, issues and outcomes required to be delivered to enable the uptake of this technology across the broadest range of inventory possible.
  - d. To resolve these gaps to the fullest extent possible, and where not possible, to make recommendations to the AdM Executive Group on the policy, guidance, standards and where necessary capability requirements required to expand the uptake of this technology across the broadest range of inventory possible.

### **Frequency.**

5. The DTIWG will convene bi-monthly and should precede the AdM Executive Group meetings wherever possible. It will sit for an initial 12-month period at which point its tenure will be reviewed.

**Reports to.**

6. The DTIWG reports to the AdM Executive Group.

**Reporting and Direction Setting.**

7. In terms of outputs, the DTIWG will produce a bullet-point report within 5 working days of each meeting to the AdM Executive Group co-chairs. The DTIWG will produce a quarterly report on progress for wider consumption by MOD and TDInfo colleagues.

**Data handling.**

8. The majority of information will be held at OFFICIAL – SENSITIVE however, there may be occasions when the consolidation of information may require this to be raised to SECRET. Decision on classification of information will be agreed by the AdM Executive Group.

**Attendance.**

9. Membership is shown below.

**Resources and budget.**

10. The DTIWG will not have separate funding lines, where the DTIWG identifies a need for funding, an individual business case will be required, but the aspiration will be to align future change to the wider SpTx Programme and will follow the SpTx bidding process.

**Review.**

11. These ToRs will be reviewed at the initial meeting of the DTIWG and published on MODNET in the SpTx AdM SharePoint site and through TDInfo.

**Membership**

Co-Chair MOD	Lt Col Si Perrett	MOD StratCom	
Co-chair			
Secretary		MOD StratCom	
Member			