# Annex A – Terminal Characteristics Template

1. Please complete Templates A or B for each of your relevant terminal product. Where a supplier has multiple products, each should be detailed within a separate copy of the applicable template, even if this would cause some duplication of response.

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| **RFI Response Template A -** MMSCTs that are currently available or at high Technical Readiness Levels (8 or 9). | | |
| **Response Category** | | **Response** |
| **Name** | Product name |  |
| **Organisation** | Supplier Name |  |
| Supplier commercial contact details |  |
| TRL | Is the current Technical Readiness Level (see Annex B for TRL definitions to be applied) of this terminal product assessed as TRL 8 or TRL 9? |  |
| Please provide justification for the claimed Technical Readiness Level. |  |
| **Size** | What are the overall assembly dimensions (including radome): Diameter x Height (m)? |  |
| Is the terminal a single or dual antenna system? |  |
| **Weight** | What is the (single) antenna assembly ‘all in’ weight (including radome and cooling if required) (kg)? |  |
| **RF performance** | X-band linear EIRP (dBW)? |  |
| X-band G/T (dB/K)? |  |
| Ka Mil band linear EIRP (dBW)? |  |
| Ka Mil band G/T (dB/K) if supported/ |  |
| Dual simultaneous or single circular polarisation? |  |
| **Certification & Compliance** | SKYNET 5 Satellite Certification (Yes/No)? |  |
| WGS Certification (Yes/No)? |  |
| MIL-STD-188-164C compliant? |  |
| **Military Environmental** | Provide details of the standards against which the terminal has been qualified for climatic operations. | |
| Temperature |  |
| Humidity |  |
| Solar radiation |  |
| Vibration |  |
| Shock |  |
| EMC |  |
| Sea State | What is the maximum sea state in which the system is specified to operate? |  |
| What is the maximum sea state that the system is specified to survive? |  |
| Availability | What is the specified Operational Availability (Ao) over a continuous 90 day mission? |  |
| **Commercial** | Provide rough order of magnitude cost (per MMSCT system). |  |
| Are there any commercial or licencing that place restrictions on supply of the product to UK MOD? |  |
| **Supporting or additional information:** | | |

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| **RFI Response Template B -** MMSCTs that are in late development with TRL 5, 6 or 7 that could be matured to deliverable products. | | |
| **Response Category** | | **Response** |
| **Name** | Product name |  |
| **Organisation** | Supplier Name |  |
| Supplier commercial contact details |  |
| **TRL** | What is the current Technical Readiness Level (see Annex B for TRL definitions to be applied) |  |
| What is the expected development duration to achieve a TRL 8 or 9 product? |  |
| What are the most significant challenges that might delay or prevent the product achieving TRL 8 or 9? |  |
| **Size** | What are the specified overall assembly dimensions (including radome): Diameter x Height (m)? |  |
| Is the terminal specified as a single or dual antenna system? |  |
| **Weight** | What is the specified (single) antenna assembly ‘all in’ weight (including radome and cooling if required) (kg)? |  |
| **Specified RF performance** | X-band linear EIRP (dBW) |  |
| X-band G/T (dB/K) |  |
| Ka Mil band linear EIRP (dBW) |  |
| Ka Mil band G/T (dB/K) if supported |  |
| Dual simultaneous or single circular polarisation? |  |
| **Certification & Compliance** | SKYNET 5 Satellite Certification (Yes/No)? |  |
| WGS Certification (Yes/No)? |  |
| MIL-STD-188-164C compliant? |  |
| **Military Environmental** | Provide details of the standards against which the terminal has been qualified for climatic operations. | |
| Temperature |  |
| Humidity |  |
| Solar radiation |  |
| Vibration |  |
| Shock |  |
| EMC |  |
| Sea State | What is the maximum sea state in which the system is specified to operate? |  |
| What is the maximum sea state that the system is specified to survive? |  |
| Availability | What is the specified Operational Availability (Ao) over a continuous 90 day mission? |  |
| **Commercial** | Provide rough order of magnitude selling price (per MMSCT system). |  |
| Are there any commercial or licencing that place restrictions on supply of the product to UK MOD? |  |
| **Supporting or additional information:** | | |