

Annex 2 - Questionnaire

CONTACT DATA						
Responsible Contact Person			Represented Institution			
Full Name			Name			
Role/Function			Address			
E-Mail						
Phone			Country			
MISSION OVERVIEW						
Mission Name and Abbreviation						
Mission Description						
Mission Objective						
Mission and/or Technological Uniqueness						
User(s) / Customer(s)						
SCHEDULE & PROGRAMME						
Planned Launch Date	Between _____ and _____		Number of Satellites			
Earliest Launch Readiness			Mission Lifetime [months]			
ITU Registration	<input type="checkbox"/> Not yet started <input type="checkbox"/> In Progress (since: _____) <input type="checkbox"/> Finished		Other national and/or international registrations	<input type="checkbox"/> Not yet started <input type="checkbox"/> In Progress <input type="checkbox"/> Finished <input type="checkbox"/> Not applicable		
CubeSat Dispenser	Project Schedule			Preferred Launch Opportunity		
<input type="checkbox"/> Provided by applicant <input type="checkbox"/> To be provided by Launch Provider (Rideshare) <input type="checkbox"/> To be determined <input type="checkbox"/> Not applicable	<input type="checkbox"/> Kick-Off <input type="checkbox"/> Mission Definition Review <input type="checkbox"/> Preliminary Requirements Review <input type="checkbox"/> Preliminary Design Review <input type="checkbox"/> Critical Design Review <input type="checkbox"/> Qualification Review <input type="checkbox"/> Launch Readiness Review			<input type="checkbox"/> Planned <input type="checkbox"/> Concluded: _____ <input type="checkbox"/> Planned <input type="checkbox"/> Concluded: _____ <input type="checkbox"/> Planned <input type="checkbox"/> Concluded: _____ <input type="checkbox"/> Planned <input type="checkbox"/> Concluded: _____ <input type="checkbox"/> Planned <input type="checkbox"/> Concluded: _____ <input type="checkbox"/> Planned <input type="checkbox"/> Concluded: _____		
<input type="checkbox"/> Launch A <input type="checkbox"/> Launch B <input type="checkbox"/> Launch C <input type="checkbox"/> No preferences ----- <input type="checkbox"/> Isar Aerospace <input type="checkbox"/> Rocket Factory Augsburg <input type="checkbox"/> No preferences						
TARGETED ORBITAL PARAMETERS ¹						
Type of Orbit (e.g. SSO)			Apogee ¹ [km]		to	
RAAN ² [degree]		to	Perigee ² [km]		to	
LTAN ² [degree]		to	Arg. of Perigee ² [degree]		to	
Inclination ² [degree]		to	Eccentricity ²		to	

¹ The payload will be provided a rideshare opportunity and is therefore constrained to the initially determined target orbit of the launch provider. Please provide information on the final orbit to be achieved for the mission.

² Please provide desired target as well as acceptable range in the form **target value [acceptable range]**

SATELLITE			
Mechanical Properties			
Wet Mass [kg]			Dry Mass [kg]
Longitudinal Eigenfreq. [Hz]			Dimensions [cm] / [U]
Lateral Eigenfreq. [Hz]			Interface ring diameter [°]
Center of Gravity (CoG) position	X _G : _____ ± _____ mm Y _G : _____ ± _____ mm Z _G : _____ ± _____ mm		Moments of Inertia wrt. S/C ref. coordinate system where the S/C CoG is the origin $\begin{matrix} \leq I_{xx} \text{ (kg.m}^2\text{)} \leq \\ \leq I_{yy} \text{ (kg.m}^2\text{)} \leq \\ \leq I_{zz} \text{ (kg.m}^2\text{)} \leq \\ \leq I_{xy} \text{ (kg.m}^2\text{)} \leq \\ \leq I_{yz} \text{ (kg.m}^2\text{)} \leq \\ \leq I_{zx} \text{ (kg.m}^2\text{)} \leq \end{matrix}$
Separation		Propulsion	
Separation Adapter Type	<input type="checkbox"/> Clampband adapter <input type="checkbox"/> Clampband with umbilical connector <input type="checkbox"/> CubeSat Dispenser <input type="checkbox"/> Other (_____)		Propulsion System <input type="checkbox"/> None <input type="checkbox"/> Chemical (solid/liquid) <input type="checkbox"/> Electrical <input type="checkbox"/> Other (_____)
Pref. separation directions wrt. S/C ref. frame	<input type="checkbox"/> None <input type="checkbox"/> To be provided separately		Propellant Name
Separation Constraints <small>(e.g. separation in Earth's shadow)</small>	<input type="checkbox"/> None <input type="checkbox"/> To be provided separately		Density of Liquid [kg/m ³]
Req. visibility duration for commissioning [s]			Propellant MEOP [bar]
Max. angular rate and ΔV range for separation [°/s, m/s]			Fill Factor [%]
Electrical & Thermal Characteristics			
Survival Temperature [K]	Min.	Max.	Volume Propellant Tank [l]
Temperature Regulation	<input type="checkbox"/> Active <input type="checkbox"/> Passive		Liquid Mass [kg]
Beginning of Life Power [W]			Pressurant Name
End of Life Power [W]			Density of Liquid [kg/m ³]
Battery Capacity [Wh]			Pressurant Mass [kg]
			Volume Pressurant Tank [l]
			Pressurant MEOP [bar]
MISCELLANEOUS			
Level of Cleanliness and Contamination <small>(e.g. ISO 8)</small>			S/C Sketch in stowed State incl. Reference Frame
Accessibility Requirements and Constraints	<input type="checkbox"/> Not specified <input type="checkbox"/> To be provided separately		
Number of EGSE connectors required	<input type="checkbox"/> None <input type="checkbox"/> _____		
Number of connectors to the launcher required	<input type="checkbox"/> None <input type="checkbox"/> _____		
Ground Station Network Requirements	<input type="checkbox"/> Not specified <input type="checkbox"/> To be provided separately		
RF interface Requirements	<input type="checkbox"/> Not specified <input type="checkbox"/> To be provided separately		
In Flight EM Environment	<input type="checkbox"/> Not specified <input type="checkbox"/> To be provided separately		
On Ground EM Environment	<input type="checkbox"/> Not specified <input type="checkbox"/> To be provided separately		
Launch Campaign Requirements	<input type="checkbox"/> Not specified <input type="checkbox"/> To be provided separately		

Note: Currently unknown parameters and specifications are to be specified as TBD. For further information, please contact the following email address: mikrolauncher.payload@dlr.de.