



## Technical documentation analysis (Hermix beta)

**EASA - 00704154 – 2023: DE: Environmental Consultancy Support on Technical Issues Associated with Aircraft Noise**

#	Question	Form	Answer
37	Award criteria %	1	<p>The award criteria for the tenders and their weighting are as follows:</p> <p>The tenders are evaluated by weighing the technical quality against the price, which is done on a 60/40 basis. The consolidated score for each tenderer is calculated using the formula:</p> <p>...            Consolidated score = Technical score * 0.6 + Financial score * 0.4            ...[9↑source].</p> <p>For the specific contract awards, the criteria are further detailed with points allocated to each aspect of the technical evaluation:</p> <ol style="list-style-type: none"> <li>1. Rationale &amp; Strategy (Quality, relevance, clarity, risk assessment, input from consortium members or subcontractors) - 60 points</li> <li>2. Timetable (Timing, sequence, duration, identification of milestones) - 15 points</li> <li>3. Organisation of Work (Organisation, availability and involvement of experts, role of each expert, coordination of tasks) - 25 points</li> </ol> <p>Only tenders scoring 70 points or more out of a maximum of 100 points against the technical award criteria will have their financial part evaluated. Financial evaluation is based on the total price offered, with the financial score for an offer being calculated as:</p> <p>...            Financial Score for Offer X = 100 * (Cheapest Price / Price of Offer X)            ...</p> <p>The specific contract will be awarded to the contractor that offers the best value for money, again established by weighing technical quality against price on a 60/40 basis[10↑source].</p>
41	Framework	1	<p>Yes, the document you provided is related to a framework contract. It is described as a legal agreement between two parties—in this case, the European Aviation Safety Agency (EASA) and the contractor. It serves as the legal basis for the possible future purchase of services or supplies by the Agency. The framework contract includes, among other things, definitions of the scope of services/supplies that can be purchased, the methodology for anticipated volumes and prices, and other terms such as implementation timing and fees to be respected by the contractor[7↑source].</p>
42	No of contracts	1	<p>The tender specifications indicate that a maximum of four framework contracts will be awarded to the best-ranked tenders. Alternatively, if less than three offers qualify for a contract award following technical and financial evaluation, the number of contracts awarded may be fewer[7↑source].</p>
44	Cascade or mini-competitions	1	<p>The contract defined in the document can be categorized as a framework contract. Specific contracts under this framework contract can be drafted using one or a combination of the following methods:</p> <ol style="list-style-type: none"> <li>1. Time &amp; Means (TM): Orders correspond to a number of man-days, with invoicing based on the number of man-days performed and substantiated by timesheets.</li> <li>2. Fixed Price (FP): Orders correspond to a defined project with specified deliverables and deadlines. Invoicing is based on the satisfactory delivery and the acceptance of the deliverables by the Agency.</li> <li>3. Quoted Time &amp; Means (QTM): Similar to TM, but orders correspond to a number of man-days for defined sub-tasks specified by the Agency, and only agreed costs for the specified sub-tasks are chargeable after acceptance by the Agency[7↑source].</li> </ol>
45	Cascade or mini-competitions	1	<p>The type of contract is a framework contract with the possibility of multiple framework contracts being signed with a maximum of four successful tenderers. However, the agency reserves the right to cancel the procedure if there are less than three successful tenderers or to sign a single framework contract with the most economically advantageous tenderer in such a case[1].</p>
47	Delivery location	1	<p>The exact place of delivery is the Agency's headquarters in Cologne, Germany[7↑source].</p>
49	Place of performance	1	<p>The contract can be executed at any location suitable to the expert(s) and appropriate for the work. However, the place of delivery for the contract is specified as the Agency's headquarters in Cologne, Germany[11↑source].</p>



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#	Question	Form	Answer
56	Objectives	1	<p>The objectives (scope) of the contract are as follows:</p> <ul style="list-style-type: none"> <li>- Assess advances in aircraft and engine design technologies related to aircraft noise;</li> <li>- Consider interdependencies and trade-offs with aircraft emissions and noise from a technological and operational perspective;</li> <li>- Investigate non-acoustical aspects of aircraft noise annoyance;</li> <li>- Develop new certification standards and guidance material, e.g., for supersonic transport, UAS (Unmanned Aircraft Systems), and eVTOL (Electric Vertical Take-Off and Landing) certification requirements;</li> <li>- Update and maintain existing certification standards and guidance material, such as atmospheric absorption adjustments;</li> <li>- Monitor developments in new concepts, such as open rotor, supersonic transport, and operational aspects;</li> <li>- Develop and use modeling capabilities and data streams to support work on environmental impact assessments and performance indicators;</li> <li>- Implement Regulation (EU) 598/2014 concerning the collection, verification, and publication of aircraft noise information;</li> </ul> <p>- Conduct noise data management and administration activities[9†source].</p>
59	Deliverables	1	<p>The contract defines the following deliverables:</p> <ul style="list-style-type: none"> <li>- Discussion documents on specific technical issues</li> <li>- Reports on technical studies</li> <li>- Test plans</li> <li>- Reports on measurement campaigns</li> <li>- Development of databases and tools to support analysis</li> <li>- Analyses of technical data</li> <li>- Reports summarising assessment methodologies and capabilities</li> <li>- Managerial briefs on the current status of technical discussions</li> <li>- Working group or standardisation group papers</li> <li>- Minutes of meetings</li> <li>- Mission reports</li> </ul> <p>- Updates on the progress of the contract implementation[7†source].</p>
61	List of work packages (WPs)	1	<p>The work packages of the contract EASA/2023/OP/0006 are as follows[1]:</p> <p>Assessment of advances in aircraft and engine design technologies related to aircraft noise. Interdependencies and trade-offs with aircraft emissions and noise from a technological and operational perspective. Non-acoustical aspects of aircraft noise annoyance. Development of new certification standards and guidance material (e.g. supersonic transport UAS eVTOL certification requirements). Update and maintenance of existing certification standards and guidance material (e.g. atmospheric absorption adjustments). Monitor developments in new concepts (e.g. open rotor supersonic transport); operational aspects. Development and use of modelling capabilities and data streams to support work on environmental impact assessments and performance indicators. Implementation of regulation (EU) 598/2014 concerning the collection, verification, and publication of aircraft noise information. Noise data management and administration activities.</p> <p>[1]</p>



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#	Question	Form	Answer
63	List of tasks	1	<p>Here is the extracted list of tasks from the document:</p> <ol style="list-style-type: none"> <li>1) Assessment of advances in aircraft and engine design technologies related to aircraft noise;</li> <li>2) Interdependencies and trade-offs with aircraft emissions and noise from a technological and operational perspective;</li> <li>3) Non-acoustical aspects of aircraft noise annoyance;</li> <li>4) Development of new certification standards and guidance material (e.g. supersonic transport UAS eVTOL certification requirements);</li> <li>5) Update and maintenance of existing certification standards and guidance material (e.g. atmospheric absorption adjustments);</li> <li>6) Monitor developments in new concepts (e.g. open rotor supersonic transport); operational aspects;</li> <li>7) Development and use of modelling capabilities and data streams to support work on environmental impact assessments and performance indicators;</li> <li>8) Implementation of regulation (EU) 598/2014 concerning the collection, verification, and publication of aircraft noise information; and</li> <li>9) Noise data management and administration activities[13↑source].</li> </ol>
67	Technologies	1	<p>The detailed list of technologies mentioned or required in the EASA/2023/OP/0006 tender specifications includes:</p> <ol style="list-style-type: none"> <li>1. Advances in aircraft and engine design technologies related to aircraft noise;</li> <li>2. Technological and operational interdependencies and trade-offs with aircraft emissions and noise;</li> <li>3. Non-acoustical aspects of aircraft noise annoyance;</li> <li>4. Development of new certification standards and guidance material (e.g., supersonic transport, UAS, eVTOL certification requirements);</li> <li>5. Update and maintenance of existing certification standards and guidance material (e.g., atmospheric absorption adjustments);</li> <li>6. Monitoring developments in new concepts (e.g., open rotor, supersonic transport);</li> <li>7. Development and use of modelling capabilities and data streams to support work on environmental impact assessments and performance indicators;</li> <li>8. Implementation of regulation (EU) 598/2014 concerning the collection, verification, and publication of aircraft noise information;</li> <li>9. Noise data management and administration activities[9↑source].</li> </ol>
71	Selection criteria: Economic and financial capacity	1	<p>The criteria for Economic and Financial Capacity are outlined as follows:</p> <ol style="list-style-type: none"> <li>1. The tenderer must be in a stable financial position and have the economic and financial capacity to perform the contract.</li> <li>2. To provide evidence of this capacity, the tenderer is required to submit the completed Annex IV.a – Economic &amp; Financial Capacity form.</li> <li>3. Additionally, the Agency reserves the right to request balance sheets or any other supporting documents to verify or confirm the financial standing of the tenderer.</li> <li>4. A specific financial requirement is that the tenderer's yearly overall turnover in the last three years must not have fallen below 1,000,000.00 EUR[7↑source].</li> </ol>

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#	Question	Form	Answer
73	Selection criteria: Technical and professional capacity	1	<p>The criteria for Technical and Professional Capacity are as follows:</p> <ol style="list-style-type: none"> <li>Experience: Tenderer must have a minimum of 3 years' recent experience (gained in the past 10 years) in the provision of similar services. Evidence required is an overview of the services performed within the past 10 years, with a description of the activities performed by completing the table in Annex IV.b – Experience of the Tenderer.</li> <li>Project Team / Expertise: <ol style="list-style-type: none"> <li>Project Team: The tenderer should have a team of competent and experienced experts covering all work elements required for the contract with proven experience in: <ul style="list-style-type: none"> <li>- Aircraft and aircraft engines;</li> <li>- Aircraft and aircraft engines in the area of noise;</li> <li>- Aviation environment impact assessments methods;</li> <li>- Participation in relevant environmental technical working groups;</li> <li>- Aviation acoustic measuring campaigns.</li> </ul> </li> <li>Expertise: Experts should be defined as either "senior" or "junior" with the following requirements: <ul style="list-style-type: none"> <li>- For a senior expert: a minimum of 8 years of practical experience associated with the work elements covered in this contract;</li> <li>- For a junior expert: a minimum of one year of practical experience associated with the work elements covered in this contract.</li> </ul> </li> </ol> </li> </ol> <p>Evidence required includes presentation of the team of experts (up to 20 experts) including summaries of their experience, particularly in relation to the main areas listed, by completing the table and providing information requested in Annex IV.b – Overview of Team of Experts, as well as CVs of the proposed 20 experts.</p> <ol style="list-style-type: none"> <li>Measurement and Analysis Capabilities: Experts must have access to measurement equipment (e.g., sound level meters and analysers capable of measuring multiple noise metrics), equipment to collect relevant aircraft performance parameters, and analysis facilities suitable for aircraft noise measurement campaigns. Evidence required is a list of appropriate measurement equipment with specifications to perform aircraft noise measurement campaigns.</li> <li>Noise Data Modelling Capabilities: Experts must have access to aircraft noise modelling software compatible with aircraft noise and performance (ANP) data and be experienced in using such software for noise modelling and subsequent data analysis. Evidence required is a list of appropriate aircraft noise modelling software available for the scope of the contract.</li> <li>Absence of Professional Conflicting Interest: Involved entities should not be in any situation which could give rise to a professional conflicting interest concerning the performance and implementation of the contract. Evidence required is a duly signed tender submission form (Annex I) including a declaration on "professional conflicting interest" (section 7 and Annex II (section B. II))[9†source].</li> </ol>
94	Limit of pages	1	<p>The document contains instructions on the content of the technical offer, indicating that it should describe the proposed rationale and strategy for the contract implementation in line with the technical specifications and objectives of the contract. However, the text I found gets cut off at "MAX," which seems like it is about to specify a maximum amount or limit related to the technical offer. Unfortunately, the full details about the page limit or any other limitations for the technical proposal submission are not visible in the portion of the document I can see.</p> <p>For a complete answer, I suggest reviewing the section immediately following the text "MAX" in your original document to find the specific page limit or any other restrictions related to the technical proposal[1].</p>
102	Selection criteria: Economic and financial capacity	1	<p>The criteria for Economic and Financial Capacity with regard to turnover specify that the tenderer must be in a stable financial position and have the economic and financial capacity to perform the contract. The yearly overall turnover in the last three years must not have fallen below 1,000,000.00 EUR[1].</p>



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104	<p>Selection criteria: Technical and professional capacity</p>	<p>The criteria for Technical and Professional Capacity are as follows:</p> <p>a. The tenderer must have a minimum of 3 years' recent experience (gained in the past 10 years) in the provision of similar services. An overview of the services performed within the past 10 years must be presented with a description of the activities performed (to be completed in Annex IV.b – Experience of the Tenderer).</p> <p>b. Project Team / Expertise:</p> <p>i. The tenderer must have a team of competent and experienced experts covering all the work elements required for the contract. The team should have proven experience in the following areas:</p> <p>Technical experience in aircraft and aircraft engines.            Technical experience regarding aircraft noise.            Expertise in aviation environment impact assessment methods.            Experience in environmental technical working groups.            Experience in aviation acoustic measuring campaigns.            Evidence includes the presentation of a team of experts (maximum 20 experts) with relevant experience, completion of a table in Annex IV.b, and provision of CVs in EU CV format including education, training, organizational and work experience, along with any relevant supporting documentation such as accreditations and certificates.</p> <p>ii. Expertise must be categorized as either "senior" or "junior" with the following minimum requirements:</p> <p>Senior expert: At least 8 years of practical experience associated with the work elements covered in the contract.            Junior expert: At least one year of practical experience associated with the work elements covered in the contract.</p> <p>c. Measurement and Analysis Capabilities: Experts must have access to measurement equipment (such as sound level meters and analyzers) and equipment to collect relevant aircraft performance parameters. A list of appropriate measurement equipment with specifications must be provided for the scope of the contract.</p> <p>d. Noise Data Modelling Capabilities: Experts must have access to aircraft noise modelling software compatible with aircraft noise and performance data (ANP) and be experienced in using such software for aircraft noise modelling and subsequent data analysis. A list of appropriate aircraft noise modelling software for the scope of the contract must be provided.</p> <p>e. Absence of Professional Conflicting Interest: Involved entities must not be in any situation which could give rise to a professional conflicting interest in concerns with the performance and/or implementation of the contract. A duly signed tender submission form (Annex I) including a declaration on "professional conflicting interest" (section 7 and Annex II, section B. II) must be provided[1].</p>