

Procurement Guide

for the European open tender for a non-contact optical profiler system

Contracting Authority:

The Netherlands Organisation for Applied Scientific Research (TNO)

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Definitions

In this Procurement Guide, words written with an initial capital, both singular and plural, shall have the following meanings. Terms not mentioned in this list but defined in the Dutch Public Procurement Act [*Aanbestedingswet*] have the meaning assigned to them in the Procurement Act.

Contracting Authority	: TNO, Netherlands Organisation for applied scientific research
Procurement Guide	: the present document describing the Procurement Procedure.
Procurement Procedure	: the present European public Procurement Procedure by which the conclusion of the Contract is tendered.
Dutch Public Procurement Act	: Dutch Public Procurement Act 2012 (hereinafter: "Procurement Act" or "Aw") concerning the implementation of procurement directives 2014/23/EU, 2014/24/EU and 2014/25/EU
Procurement Documents	: all documents prepared by or on behalf of TNO for the purpose of the Procurement Procedure.
Announcement	: the Notice of Procurement Procedure at www.TenderNed.nl .
Annex(es)	: The Annexes to the Procurement Guide, namely: <ul style="list-style-type: none"> • A01 to A05 - i.e. the formats to be used by the Tenderer in preparing and submitting its Tender, • B01 to B03 - i.e. the formats to be used by the intended beneficiary for the purpose of submitting supporting documents relating to the ESPD at the request of TNO, • C01 to C04 - i.e. documents and (additional) information, which form part of the Procurement Guide and are not intended for submission by the Tenderer or the intended beneficiary.
Combination	: an alliance of enterprises tendering jointly as a single Tenderer, each of the Combination members being jointly and severally liable for the performance of the Contract.
Third Party	: natural persons on whom, or legal entities on which, a Tenderer may rely in order to meet the Suitability Requirements of financial and economic standing and/or technical and professional competence, irrespective of the legal nature of its links with said Third Party.
Suitability Requirements	: the requirements imposed by TNO on Tenderers not excluded on the basis of the Grounds for Exclusion, which Tenderers must meet as a minimum in order to be eligible for the award of the Contract, on penalty of invalidation, as described in Section 5.
Award criterion	: the criterion used by TNO in the assessment and ranking of Tenders for the purpose of awarding the Contract, as referred to in Section 6.
Award decision	: the written communication of TNO's choice of the Tenderer with which it intends to conclude the Contract or its choice not to conclude a Contract.
Tenderer	: an entrepreneur submitting a Tender.
Tender	: an offer/quotation made by a Tenderer.
Minimum Requirements	: the requirements set by TNO regarding the manner in which the Contractor must perform the Contract.
Information Notice	: the document containing further information about the Procurement Procedure and/or the Procurement Documents and in which TNO presents and answers the Tenderers' questions in anonymised form.
Contractor	: the Tenderer with which the Contract is concluded.

- Contract : the Contract concluded with the Contractor pursuant to the outcome of the Procurement Procedure. The Contract is concluded after it has been signed by TNO and the Contractor.
- Grounds for Exclusion : grounds for exclusion from participation in the Procurement Procedure, which – depending on the provisions of the Procurement Documents – relate to circumstances concerning the (person of the) Tenderer, the (person of the) Third Party and/or the (person of the) Subcontractor.
- European Single Procurement Document : the declaration as referred to in Article 2.84(1) of the Procurement Act, which TNO has attached to the Procurement Guide as Annex **A01** (hereinafter: ESPD).

1 Contracting Authority and Contract

1.1 TNO

TNO, Netherlands Organisation for applied scientific research, hereinafter referred to as "TNO", is a modern unit-driven Research & Knowledge organisation, established by law in 1932 to make scientific research applicable to enterprises, government bodies and civil-society organisations and thereby strengthen innovative capacity. TNO is a public-law legal entity and operates under the ministerial responsibility of the Dutch Minister of Economic Affairs but, as an organisation, performs its tasks independently.

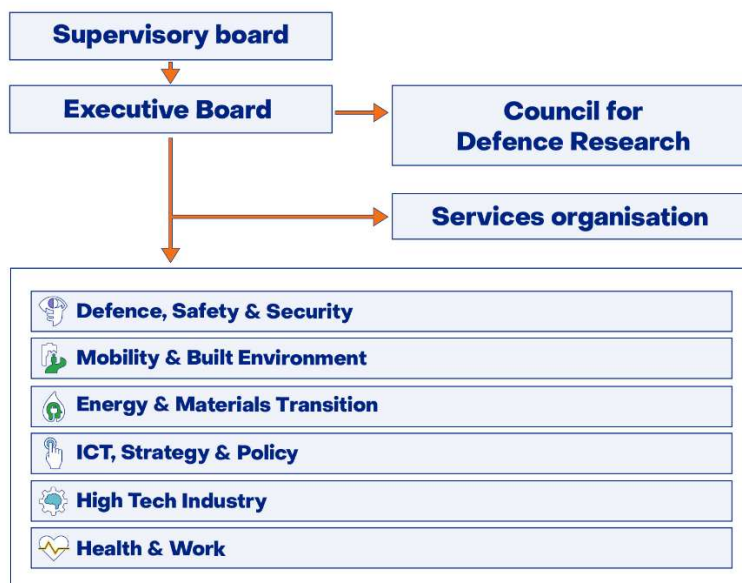
Every day, TNO's employees are working on the development and application of innovative research. TNO provides contract research and specialist consultancy and licenses patents and specialist software. TNO starts up new enterprises to bring innovations to market.

TNO's strength lies in its ability to combine diverse fields of science to create ground-breaking, sustainable solutions. Increasingly, TNO does so by collaborating with government bodies, industry, other knowledge institutions and civil-society organisations, both nationally and internationally. Through its work, TNO stimulates economic growth and social innovation.

TNO's mission is to create impactful innovations that contribute to the sustainable wellbeing and prosperity of society. The way TNO fulfils this mission is outlined in its strategic plan for 2026–2029. The strategy is built around three key priorities: placing greater focus through dynamic portfolio management by doing what we excel at; increasing impact through valorisation by bringing science to market; and enhancing customer and market centricity. TNO's overarching goal is to connect, change, and accelerate: Innovation for Life. For more information on TNO, see: www.TNO.nl.

1.2 The TNO organisation

With TNO's highly ambitious approach comes an organisational form that effectively facilitates this ambition and a culture that challenges employees to innovate and collaborate. The TNO organisation has a unit structure as shown below:



The six organisational units (Units) are market-oriented and recognisable to TNO's customers and partners. The Units are based across the Netherlands with a total of 21 locations/research facilities. The head office is located in The Hague and accommodates the central staff bodies (Shared Services Organisation) and from where the entire TNO organisation is supported and managed.

Procurement department

The Procurement department is effecting the procurement on behalf of TNO in close cooperation with the Space Systems Engineering department, part of the unit High Tech Industry (HTI) and located in Delft. Procurement, as part of the Finance, Procurement & Legal (FPL) department, is responsible for organising and executing procurement processes and ensuring that these processes are in line with the TNO objectives.

1.3 Purpose of the Tender

The purpose of the Tender is TNO's intention to enter into a Contract with one (1) Contractor for the supply/delivery of non-contact optical profiler system. This supply/service shall be performed in accordance with the requirements and preferences as set out in the Procurement Documents.

1.4 Objective, scope and content of the proposed Contract

The main goal of this investment is to ensure the Optics Manufacturing department can continue performing high-precision surface measurements, which are essential for quality control and meeting customer demands - especially as the current profiler is aging and at risk of failure. The scope covers acquiring a state-of-the-art, non-contact optical profiler capable of handling a wide range of sample types and sizes, with advanced measurement techniques and strict performance criteria, and includes an option to purchase a second identical system in the future. The procurement documentation details technical requirements, operational needs, risk mitigation strategies, and compliance with public procurement rules, all aimed at maintaining production quality, supporting future growth, and minimizing operational risks.

The Contract to be entered into provides for the supply of products and the provision of services, as specified in detail in the Programme of Requirements and Preferences (Sections 8 and Annex 04).

Following the present Procurement Procedure, TNO intends to award a contract for the purchase of a non-contact optical profiler system in accordance with the Procurement Guide.

In general terms, the contract involves:

- The equipment
- Two-year warranty including maintenance and services
- (Critical) Design review
- Factory Acceptance Test (FAT)
- Site Acceptance Test (SAT)
- Installation on site
- Operator & (basic) maintenance training
- Delivery according to Incoterm®2020 'Delivered Duty Paid' (DDP Location TNO Eindhoven, the Netherlands (further specified on PO))

1.5 Maintenance/Services Contract

System downtime can lead to loss of opportunities and possibly revenue. Therefore, in relation with this Tender procedure, TNO might intend to enter into a contract for maintenance/services for a period of one year up to a maximum of five years. In this light, TNO expects to receive a proposal or proposals that minimise such system interruptions.

TNO has divided maintenance/services into two types, being 'basic' and 'all-inclusive'. The price for the various options for maintenance/services must be submitted by the Tenderer in Annex A03. These quoted prices shall be fixed, and no indexation should take place the first 2 years after the final acceptance of the cryostat by TNO.

For the elaboration of what exactly falls under the maintenance (for the relevant price, as offered in the price sheet), TNO expects an elaboration to be submitted as 'Annex A05 - Maintenance/Services' (own format).

What is offered for the 'basic' and or 'all-inclusive' maintenance contract type?

What exactly does Tenderer offer and how does this match with the preferences of TNO, such as but not limited to response times, service-desk reachability, software updates, additional service hours which are not covered in this type of contract etc?

Make a preventive and (if available) a corrective breakdown here. The maintenance time of the cryostat shall not exceed two weeks per year. Therefore, state the consequences of not achieving or not fulfilling the service level specified by the tenderer.

The intention to enter into a maintenance contract depends on the price and whether it falls within the total available budget. For this reason, and to allow a fair price comparison, TNO will only include the price for a one-year basic maintenance contract multiplied by five (5) years in the price assessment (para. 6.1). It should be clear to TNO what is covered by the maintenance contract, but also what is not covered by the contract, and thus will result in an additional cost to TNO.

If you typically provide different types of maintenance contracts, you can present these variations alongside the basic maintenance contract. However, please be aware that only the basic maintenance contract and its price will be assessed. The price for all potential variations in maintenance services, covering a period of one year up to and including 2030, considering the closed-cycle refrigerator cryostat system, will only be available by 2025 (a total of (5) years). Tenderers can submit this information in Annex A03.

1.6 Optional second non-contact optical profiler system

TNO might have the intention to buy a second non-contact optical profiler system with the same similar requirements/preferences (chapter 8), and this within a period of maximum three years after final award decision and the signing of the Contract. Such a purchase will take place under the same tender conditions. For this reason, Tenderer is asked to fill-in the related line numbers in Annex A03.

2 Procurement Procedure

The Procurement Procedure is carried out in accordance with the relevant regulations stipulated under the Aw. TNO has opted for the open Procurement Procedure. This tender has been published on and will proceed through TenderNed, www.TenderNed.nl.

2.1 Schedule for the Procurement Procedure

The proposed schedule for the Procurement Procedure is as follows:

No.	Action points	Date
1.	Publication of Announcement of Contract (at www.TenderNed.nl)	05-01-2026
2.	Closing date for submission of questions by Tenderers	03-02-2026, 15:00 (CET)
3.	Issue of (final) Information Notice	09-02-2026
4.	Closing date and time for submission of Tenders	24-02-2026, 11:30 (CET)
5.	Notification of Award Decision	24-03-2026
6.	Closing date for submission of supporting documents by intended beneficiary	31-03-2026
7.	Closing date for submission of challenges	14-04-2026
8.	Final award	Close after 2026

The dates are indicative. TNO reserves the right to change the dates, subject of course to the minimum periods as laid down in the Dutch Public Procurement Act [*Aanbestedingswet*]. Affected enterprises will be notified of any change in the schedule via TenderNed.

2.2 Tender conditions

As part of the Procurement Procedure, TNO applies the following conditions.

2.2.1 Agreement

Submission of the Tender implies that the Tenderer agrees to the terms and conditions of the Procurement Procedure and agrees to the contents of the Tender Documents, including any unwelcome answers in the Information Notice.

2.2.2 Formats

The Tenderer should use the formats as included in the Annexes to this Procurement Guide. It is expressly not permitted to make changes to these formats, unless TNO has expressly stated otherwise.

2.2.3 European Single Procurement Document (ESPD)

The Tenderer must submit an ESPD as specified in the instructions given below. The Tenderer must use the ESPD as appended in Annex A01.

To access and complete the ESPD electronically, the Tenderer must only use the Adobe Reader software program, preferably the latest version. Opening the ESPD in a program other than Adobe Reader may result in the ESPD appearing different from the version pre-filled by TNO and/or showing errors. Submission of an ESPD that differs from the version as provided by TNO with the Procurement Documents will render the Tender invalid, unless TNO considers this disproportionate in a specific case. The responsibility for opening the ESPD in the prescribed manner and submitting the correct version thereof rests with the Tenderer.

For legally valid signature of the ESPD, see Section 2.2.20 of this Procurement Guide.

2.2.4 Precedence of Procurement Documents

In the event of discrepancies between the contents of the various Procurement Documents, the following order of precedence applies during the Procurement Procedure, in descending order of prevalence:

- Information Notice(s): from most recent to least recent;
- Procurement Guide with Annexes:
 - o Programme of Requirements and Preferences (Annex A04);
 - o The Price Sheet (Annex A03);
- Announcement.

2.2.5 Contact person and communication

All communication relating to the Procurement Procedure will take place via TenderNed only and in the manner specified in this Procurement Guide.

If direct contact with TNO is specified/necessary, communication will take place exclusively with the TNO contact person stated below, in writing at all times, via the TenderNed messaging module.

Name : Mr. Arjan Verhoeven
Position : Procurement Advisor
Department : Procurement
Postal address : PO Box 96800, NL-2509 JE The Hague

Tenderers cannot derive any rights from oral statements, undertakings and suggestions made by TNO employees and/or consultants in relation to the Procurement Procedure and/or the Procurement Documents. Tenderers may only rely on information provided in writing by or on behalf of TNO.

On penalty of exclusion, enterprises may not contact persons other than the contact person with regard to the Tender, unless TNO considers this disproportionate in a specific case. Nor is it permitted, on penalty of exclusion, to communicate with the contact person in any way other than via TenderNed, unless TNO considers this disproportionate in a specific case.

An instruction regarding digital procurement via TenderNed can be found by selected bidders in TenderNed's support environment (<https://www.TenderNed.nl/cms/help>). If you have any questions or are unclear about the operation of TenderNed (for example, if you are unable to log in or submit documents) or if TenderNed malfunctions, the TenderNed service desk can be contacted from 8.30 a.m. to 4.30 p.m. on working days on 0800 - 836 33 76 or via servicedesk@TenderNed.nl.

2.2.6 Language

Tenders must be written in the English language. Tenders in languages other than English will be excluded from participation. Official documents that cannot be submitted in the English language may be written in the language of the document's country of origin. Upon request, the Tenderer shall arrange a translation by a sworn interpreter-translator. The costs incurred shall be borne by the Tenderer.

2.2.7 Single Tender

An enterprise may only be involved in one (1) Tender: either as an independent Tenderer, a member of a Combination, or a subcontractor or Third Party. With regard to enterprises belonging to the same group as referred to in Sections 2:24b and 2:24c of the Dutch Civil Code, more than one company from the group may submit a Tender, provided that the enterprises demonstrate, at TNO's request, that the Tenders have been drawn up independently and autonomously.

Where this cannot be demonstrated by all the Tenderers concerned, all the Tenders emanating from enterprises belonging to the same group will be excluded.

2.2.8 Combination

A Combination of enterprises may submit a Tender jointly as a single Tenderer.

To do so, the following conditions must be met.

- All members of the Combination shall submit their own completed and validly signed ESPD. This states that registration takes place in Combination and, if selected, registered.
- The ESPD specifies which member of the Combination will fulfil the role of coordinator. The coordinator is the only member with which TNO corresponds regarding the Procurement Procedure and, where applicable, the Contract. The coordinator must have the power to legally bind all members of the Combination in respect of the Procurement Procedure and, where applicable, (the award of) the Contract.
- All members of the Combination must individually declare in their own ESPD whether they are subject to Grounds for Exclusion (see Section 5.1). The members of the Combination will each be assessed individually against the Grounds for Exclusion. If one or more Exclusion Grounds apply to one or more members, the entire Combination will be excluded.
- The Combination as a whole will be assessed against the Suitability Requirements, subject to any exceptions referred to in Section 5.2. In the ESPD, the Combination members declare how the Combination meets the Suitability Requirements. If the Combination as a whole does not meet all Suitability Requirements, the submission of the Combination will be laid aside.

By submitting the Tender, the Combination members declare that all the participants in the Combination are jointly and severally liable for the fulfilment of the obligations arising from the Procurement Procedure, as well as from any performance of the Contract. By submitting the Tender, the Combination members declare that the coordinator is authorised to validly represent the Combination and the individual Combination members in all matters relating to the Tender and, in the event of the award of the Contract, the Contract.

2.2.9 Subcontracting

A Tenderer may use one or more subcontractors to carry out the work. A cooperative venture in the form of a main contractor and subcontractors may tender as single Tenderer. The main contractor shall remain at all times responsible and liable for all work, including any work performed by a subcontractor.

TNO recognises the following subcontractors:

Reliance on subcontractor to meet Suitability Requirements

Where the Tenderer relies on the financial and economic standing and/or technical and professional competence of a subcontractor to meet the Suitability Requirements, said subcontractor shall also be deemed a Third Party. In this case, the Tenderer must follow the instructions as described in Section 2.2.10 concerning reliance on the resources of a Third Party or Parties. All Third Parties must be listed in Section IIC of the ESPD (Annex **A01**).

Deployment of subcontractor to perform the contract

Where a Tenderer meets the specified Suitability Requirements independently but wishes to use one or more subcontractors to carry out the work, the Tenderer need not disclose the identity of the subcontractor(s) in the Tender. While the Tenderer must tick the box in its ESPD, Part IID, to indicate that it intends to use subcontractors, their names need not be disclosed at this time. However, the Tenderer must do so not later than seven (7) calendar days after the provisional award, as TNO has to pre-approve the subcontractors to be used. If the Contractor wishes to replace a subcontractor during performance of the Contract, this will only be possible subject to TNO's prior consent in writing.

If a Tenderer wishes to use a subcontractor, a completed ESPD (Annex **A01**; parts IIA, IIB and III) must be submitted not later than seven (7) calendar days after the provisional approval of said subcontractor, as well as the supporting documents relating to the Grounds for Exclusion (Section 5). Where a subcontractor is subject to one or more Grounds for Exclusion and said subcontractor has not given convincing reasons in the ESPD why it should nevertheless not be excluded (see Section 5), the subcontractor will not be approved. Otherwise, approval of a subcontractor will not be unreasonably withheld.

If a Tenderer intends to use multiple subcontractors, a completed and duly signed ESPD (Annex A01) must be submitted from each subcontractor. The subcontractor has only to complete parts IIA, IIB and III of the ESPD. These ESPDs will be appended to the Tender.

The subcontractor's ESPD (Annex **A01**) must be duly signed. For signing authority, please refer to Section 2.2.20.

If the Tenderer does not intend to use subcontractors

The Tenderer should indicate its intention not to use subcontractor(s) by ticking only the "no" box in Part II D of the ESPD (Annex **A01**).

2.2.10 Reliance on Third Party resources?

The Tenderer may rely on the financial and economic standing and/or technical and professional competence of a Third Party or Parties.

If the Tenderer relies on the financial and economic capacity of a Third Party or Parties, both the Tenderer and the Third Party or Parties on whose financial and economic capacity the Tenderer relies will be jointly and severally liable for the obligations arising from the Procurement Procedure and for the obligations arising from the performance of the Contract, if awarded to the relevant Tenderer.

If the Tenderer relies on the technical and professional competence of a Third Party or Parties, said Third Party or Parties should also be involved in the performance of the Contract, if awarded to the relevant Tenderer.

No reliance on Third Party resources

If the Tenderer does not rely on the financial and economic standing and/or technical and professional competence of a Third Party or Parties, it should complete Part II C of the ESPD (Annex **A01**) to indicate that it does not rely on the financial and economic standing and/or technical and professional competence of a Third Party or Parties, by ticking the "no" box.

Reliance on Third Party resources

A) Requirements for submitting a Tender

If the Tenderer does rely on the financial and economic standing and/or technical and professional competence of a Third Party or Parties, the Tenderer should complete Part II C of the ESPD (Annex **A01**) to indicate:

1. that it is relying on the financial and economic standing and/or technical and professional competence of a Third Party or Parties, by ticking the "yes" box
2. the Suitability Requirements for which it relies on the Third Party or Parties and,
3. for each stated Suitability Requirement for which it relies on a Third Party or Parties, and the Third Party or Parties it relies on for that purpose.

In addition, if the Tenderer relies on the financial and economic standing and/or technical and professional competence of a Third Party or Parties, it shall submit the following:

4. a separately completed and duly signed ESPD (Annex **A01**) from each Third Party on whose financial and economic standing and/or technical and professional competence it relies, in which the Third Party completes Parts II A, II B and III in respect of the Third Party itself. The ESPDs of the Third Party or Parties must be duly signed as referred to in Section 2.2.20.

Additional requirement for submitting a Tender in the event of reliance on technical and professional competence of a Third Party or Parties

5. If and insofar as the Tenderer relies on the technical and professional competence of a Third Party or Parties, the Tenderer must submit a list of reference projects completed by the Third Party or Parties on whose technical and professional competence the Tenderer relies, in addition to any list of its own reference projects to be submitted by itself with its Tender. If and insofar as the Tenderer submits reference projects of a Third Party or Parties, it must also use the format for reference projects (Annex **A03**) for this purpose.

B) Requirements for intended beneficiary relying on a Third Party or Parties

The Tenderer to which TNO intends to award the Contract on the basis of the Award Decision and which relies on the financial and economic standing and/or technical and professional competence of a Third Party or Parties must submit at TNO's request within the period specified in Section 7.1 of the Procurement Guide:

1. a declaration by said Third Party or Parties stating that the Tenderer can actually access the resources of the Third Party or Parties relied upon. If the Tenderer relies on the financial and economic standing of a Third Party, it shall submit a declaration in the format provided in Annex **B01**. If the Tenderer relies on the technical and professional competence of a Third Party, it shall submit a declaration in the format provided in Annex **B02**;
2. any evidence as referred to in Section 5.1, which allows the Third Party or Parties whose suitability the Tenderer relies on to demonstrate that the Grounds for Exclusion do not apply to the Third Party.

Additional requirement for intended beneficiary in the event of reliance on financial and economic standing of a Third Party or Parties

3. The Tenderer to which TNO intends to award the Contract on the basis of the Award Decision and which relies on the financial and economic standing of a Third Party or Parties must, at TNO's request, submit within the period specified in Section 7.1 of the Procurement Guide, in addition to the documents referred to above under B) (regarding "*Requirements for the Intended Beneficiary*"): the documents that will be substituted for those that the Tenderer must submit to prove that it meets the Suitability Requirements regarding financial and economic standing.

2.2.11 Variants

Offering variants and/or alternative Tenders is not permitted and they will therefore be disregarded.

2.2.12 "Or equivalent"

The technical specifications are formulated as much as possible on the basis of EU and other standards, performance requirements and functional requirements. Where the Procurement Documents, including the Annexes, nevertheless refer to brand names, patents, types, manufacturing processes, etc., the Tenderer should read "or equivalent" after the relevant phrase.

Tenderers are free to provide an equivalent product, service or type of work. If they do so, the Tenderers must justify in or with their Tender why they are offering an equivalent product, service or type of work. It is up to TNO to assess whether the latter are actually equivalent. TNO reserves the right to have their equivalence assessed by a third party if necessary.

2.2.13 Rights reserved by TNO

1. TNO reserves the right to stop the entire Procurement Procedure temporarily or permanently. If TNO decides to discontinue the Procurement Procedure, legal protection is guaranteed in accordance with paragraph 2.4 of the Procurement Guide.
2. TNO reserves the right at all times to subject the data and statements provided by Tenderers to further investigation and verify their accuracy (or have them verified), as well as to approach any references provided, without prior notification thereof to Tenderer. The results thereof will be considered in the assessment of the Tender.

The Tenderer is aware that if at a later stage it is found that incorrect and/or incomplete information has been provided and/or that requirements set out in the Procurement Documents are not or no longer being met, the Tenderer will be excluded from further participation in the Procurement Procedure or agreements already made may be cancelled and contracts dissolved. In such cases, TNO cannot be held liable for the consequences thereof for the relevant Tenderer and TNO will not be obliged to reimburse any costs and/or any loss or damage of any kind.

2.2.14 Confidentiality

The Tenderer will observe strict confidentiality in respect of all information that is or becomes known to it through TNO. It will not make the information available to Third Parties and will only disclose it to its staff, including consultants, subcontractors and Third Parties, insofar as this is necessary for the submission of the Tender or – if and insofar as applicable – the performance of the Contract.

TNO acknowledges the confidentiality of the Tenderer's Tender and will not disclose to Third Parties any information known to it from this source. It will be necessary to disclose information from the Tender, where appropriate, in the context of justifying the Award Decision. The Tenderer recognises this and agrees accordingly.

2.2.15 Distortion of competition

Distortion of competition will result in exclusion. If TNO suspects that distortion of competition has occurred, it will give the relevant Tenderer(s) the opportunity to demonstrate that it has not been guilty of distorting competition. If TNO deems that the Tenderer has failed to do so, the Tenderer will be excluded from further participation in the Procurement Procedure.

2.2.16 Withdrawal by Tenderer

Any Tenderer who has submitted a Tender may withdraw it until the closing date for tenders. After that moment, the period of validity starts. The Tender is irrevocable during the period of validity.

2.2.17 Period of validity

The Tenderer shall uphold its Tender for a period of one hundred and twenty calendar days (120) calendar days from the closing date for submission of the Tender (Section 2.1). The period of validity is automatically extended until the final conclusion of the Contract with the first-ranked Tenderer.

If summary proceedings are instituted against the Award Decision, the period of validity will be automatically extended by a period of thirty (30) calendar days from the date of the decision of the preliminary relief judge.

TNO may request Tenderers to extend the period of validity. Tenderers cannot derive from this any right to be awarded the Contract.

2.2.18 Contract terms

The Contract will be awarded in accordance with:

- Contract entitled 'PURCHASE AGREEMENT TNO – [name Contractor], the draft version of which is included in Annex **C02**;
- A Purchase Order, and starts with 3100., and is mainly intended for administrative handling;
- TNO's Purchasing Conditions for Goods, December 2025, as included in Annex **C03**, except insofar as they are explicitly departed from in the Procurement Documents.

In accordance with Section 2.3 of this Procurement Guide, Tenderers may submit text and amendment proposals for this Contract and the General Purchasing Conditions. The final Information Notice will respond to these proposals or add the final Contract and General Purchasing Conditions.

The general terms and conditions (including terms of supply) or terms and conditions of Third Parties (including subcontractors and auxiliary persons) used by the Tenderers, both during this Procurement Procedure and also, in the event of award, during the performance of the final Contract and any contracts to be concluded under its terms, are expressly rejected by TNO. If they declare their own terms and conditions applicable, this will render their Tender invalid.

In the final Information Notice, TNO will indicate where final changes have been made.

Acceptance of these amendments to the Framework Agreement/Acceptance of the Final Contract and General Purchasing Conditions is a minimum requirement. Failure to comply with these conditions will result in the Tenderer's exclusion from further participation in the procedure.

2.2.19 Conditional Tender

TNO will exclude conditional Tenders from further participation in the Procurement Procedure.

2.2.20 Legally valid signature

The Tender must be validly signed. "*Validly signed*" means that the ESPD has been signed by the duly authorised representative(s) of the Tenderer as stated in TenderNed. A validly signed ESPD means that the Tender as a whole has been validly signed, unless a separate valid signature is required for one or more documents. TNO would point out that the trade register may state that two or more persons are joint authorised representatives, or that a representative is authorised only up to a certain monetary value. This has implications for the authority to sign and Tenderers should anticipate this. The authority to sign should be evidenced by an extract from the trade register. It is also possible for the Tender to be signed by a proxy. In this case, a power of attorney must be issued by a legally authorised representative of the Tenderer, as evidenced by the trade register, or the power of attorney must be recorded in the trade register.

The extract or the power of attorney need only be issued to TNO if a request to that effect has been made by TNO, as specified in the requirements set out in Section 7.1 of the Procurement Guide.

A Tender not validly signed shall be deemed not to have been made and shall be invalid.

This provision also applies to the ESPD submitted by members of a Combination and/or for the Third Party or Parties on whose standing/experience/resources the Tenderer relies. In their case too, only the ESPD need be validly signed and this signature will also serve as a valid signature for other documents completed and submitted by them.

Electronic signature

Signature in the form of an electronic signature is also permitted. The following requirements apply in this regard: an E-recognition tool ("eHerkenning" in Dutch) with at least security level 4 (EH4) must be used.

2.2.21 Reimbursement of expenses incurred in submitting the Tender

Any expenses incurred by Tenderers in preparing and submitting the Tender will not be reimbursed.

2.2.22 Statement of prices and expenses

Prices and costs must be stated in euros excluding VAT and will be fixed for the term of the Contract unless otherwise specified. TNO hereby explicitly states that no price negotiations will be entered into as part of this Procurement Procedure.

2.2.23 Publicity

No publicity will be given to the Procurement Procedure by the Tenderer or by partners and/or subcontractors to be engaged by the Tenderer except with TNO's consent in writing. All information on the Tender will be treated confidentially by Tenderer and the parties to be engaged by them.

2.2.24 Intellectual property

Subject to exceptions as specified in the Dutch Copyright Act [*Auteurswet*], no part of the Procurement Documents may be reproduced (other than for the purpose of submitting a Tender) in any manner whatsoever without TNO's consent in writing. Tenders and all Annexes submitted by Tenderers as part of the Procurement Procedure will become TNO's property upon receipt.

2.2.25 TNO logo

The TNO logo may not be copied, altered or otherwise used on documents submitted by the Tenderer as part of the Procurement Procedure.

2.3 Further information (questions)

The Procurement Documents shall be prepared with the utmost care. Tenderers may request further information on the Procurement Procedure and/or the Procurement Guide up to the closing date and time "closing date for submission of questions" as stated in the schedule in Section 2.1. Said further information may, for example, address any lack of clarity, ambiguities, discrepancies. Further information should be requested within the time limit and in the manner described in this section. Questions and comments not submitted on time and/or correctly will in principle not be dealt with in the Information Notice, except in cases where this is deemed necessary and/or desirable at TNO's sole discretion.

Moreover, at the time of the above deadline, Tenderers will have the opportunity to ask reasoned questions on, or propose text or amendments to, the draft contract, as included in Annex **C02** and in the General Purchasing Conditions TNO, Annex **C03**. Text proposals will serve only to improve the Contract and must not affect its essence. TNO would point out that it reserves the right at all times to accept or not to accept these text or amendment proposals.

If the Tenderer fails to raise questions about and/or challenge to (lack of clarity, ambiguities or discrepancies in) the Procurement Procedure and/or the Procurement Guide and/or in the manner described in this section, or does not do so in a timely manner, it will forfeit its right to challenge any deficiencies identified at a later stage, e.g. in interlocutory proceedings.

Questions and/or comments should be communicated **exclusively** to the TNO contact person (see Section 2.2.5) using the "Standard Template for Tenderer Questions" in Annex **C01** ("editable" MS Excel file) prepared by TNO. Using the "pull-down" menu in this Excel file, the Tenderer should indicate which section of the Procurement Guide the question relates to. Once completed, Annex **C01** should be submitted via [the TenderNed messaging module](#).

TNO is therefore **not using the question module in TenderNed**. Questions submitted in this question module will not be considered.

The TNO contact person will compile the questions and/or comments, along with their responses, in anonymised form within one or more Information Notices. The final date for asking questions is included in the schedule in Section 2.1. The Information Notices will be published at www.TenderNed.nl as per the schedule in the table in Section 2.1.

All the questions and their answers should be considered an integral part of this Procurement Guide. The basic premise is that the Procurement Guide will be deemed final after publication of the last Information Notice.

TNO may decide to hold one or more additional briefing rounds. Parties will be informed of this in the Information Notice. Questions and comments submitted as part of an additional briefing round may relate solely to the contents of the immediately preceding Information Notice. Questions and comments that do not relate to the immediately preceding Information Notice may be disregarded by TNO – without notice.

The responsibility for submitting questions and/or comments in a timely and correct manner rests with the Tenderer. Questions raised after the expiry of the deadline will in principle not be answered in the Information Notice unless answering is necessary, in TNO's opinion, for the submission of a proper Tender. TNO would advise Tenderers to wait until the last Information Notice is published before submitting their Tender as the Information Notice may contain further clarifications and amendments to the Procurement Guide that are relevant to the preparation of the Tender.

TNO would expressly remind Tenderers that it can answer their questions in confidence (Section 2.53(3) Aw). If a Tenderer does not wish to have a question answered in the Information Notice, the Tenderer must give reasons as to why a public answer would damage its legitimate economic interests. TNO will take a decision on whether or not to answer a question in confidence based on these reasons. If TNO decides not to do so, it will notify the questioner accordingly, giving reasons. The questioner will then have the option of withdrawing or submitting its question for the Information Notice.

2.4 Applicable law and disputes

This Procurement Procedure is governed by the laws of the Netherlands. The Preliminary Relief Judge at the District Court of The Hague shall have exclusive jurisdiction to settle disputes relating to the present Procurement Procedure. Tenderers should bring their challenges to all or part of the Procurement Procedure, to all or part of the information provided or to other aspects relating to the Procurement Procedure to the attention of the TNO contact person (see Section 2.2.5) at the shortest possible notice.

The period within which legal action must be taken against the Award Decision and/or the Procurement Procedure is twenty (20) calendar days from the date of the Award Decision. Any summons should be served within this period, which is a (contractual) expiry date, at TNO's address. If this objection period, also expiry date, is exceeded without legal proceedings having been commenced by service of a summons, any right to do so shall (inadmissible) lapse. The standstill period is automatically extended to the next working day if the standstill period ends at the weekend, on a public holiday or a so-called "notice-free day" [when bailiffs cannot issue writs].

A Tenderer wishing to initiate summary proceedings is requested to request foreclosures from TNO.

If a summons has been served within the standstill period, the relevant Tenderer is requested to send a copy of the served summons via TenderNed to the contact person for the Procurement Procedure no later than two (2) working days after service. This is because the processing of documents within TNO can lead to delays in processing the summons.

If a Tenderer institutes summary proceedings in a timely and valid manner in respect of the Award Decision and/or the Procurement Procedure, the Tenderer to which the contract has been provisionally awarded shall intervene in the summary proceedings. If the Tenderer to which the Contract has been provisionally awarded does not intervene, said Tenderer shall exercise the right to institute court proceedings or third-party proceedings in the event that the judgment in the first-instance summary proceedings orders the amendment or revocation of the Award Decision. This is because it is important for all the parties to obtain clarity as soon as possible and put all the arguments on the table in the first instance. If the standstill period is exceeded, this situation cannot be remedied.

Any Tenderer that has instituted summary proceedings is obliged to provide a copy of the summons when requested to do so by other Tenderers so that said Tenderer(s) can determine whether intervention is appropriate. Of course, it is up to the Tenderer that initiated the summary proceedings to determine whether or not confidential business information will be disclosed at that stage and, if so, which. If the Tenderer that initiated the summary proceedings does not (expeditiously) provide a copy of the summons to the Tenderer requesting it, TNO reserves the right to provide a copy of the summons itself. In doing so, TNO will determine at its own discretion whether confidential business information will be deleted and, if so, which.

If summary proceedings have been instituted in a timely and legally valid manner and the judgment does not oppose the conclusion of the Contract, TNO will be free to enter into the Contract. TNO is not obliged to await any appeal or proceedings on the merits. In other cases, TNO will consider the next steps to be taken based on the judgment in first instance.

2.5 Submission of the Tender

2.5.1 Digital tendering

The Tender consists of the completed and, where necessary, validly signed Annexes **A01 to A04**, the formats of which are appended as Annexes to the Procurement Guide. When the ESPD is validly signed, the Tender as such is also validly signed. The absence of a legally valid signature on the ESPD will render the Tender invalid.

For legally valid signatures, see Section 2.2.20.

For this Tender, TNO is using a digital procurement system via TenderNed. The Tender must be uploaded to the TenderNed digital vault not later than the date and time specified in the schedule in Section 2.1 under "Closing date for submission of Tenders". After uploading, the Tenderer will receive a transaction code via SMS. This code must be entered in TenderNed. The Tender is not actually submitted until the correct transaction code has been entered. The SMS code must therefore be entered within the tendering period for the Tender to be deemed complete and correct.

Tenders received late and/or Tenders not deposited in the digital vault and/or Tenders submitted by means other than via TenderNed will not be considered and will therefore be excluded from participation. Tenderers will remain at all times solely responsible for submitting their Tender on time and in the correct manner.

Tenderers are strongly advised to take careful note of the guide provided by TenderNed for the digital submission of Tenders, particularly as regards placing documents in the digital vault. In doing so, uploading should be completed with the tendering wizard (authorisation by SMS code).

Tenderers are advised to start uploading documents in good time. If a Tenderer experiences problems with the system due to a malfunction of TenderNed, the TNO contact person (Section 2.2.5) and TenderNed should be contacted without delay. In the event that a TenderNed malfunction actually occurs, as a result of which the submission of Tenders is not possible, shortly before the closing date and TNO has not taken note of Tenders that have been uploaded to the TenderNed digital vault on time despite the malfunction, TNO will extend the closing date for submission of Tenders pursuant to Section 2.109 Aw.

TNO further advises Tenderers to take note of the content of Section 2.109a Aw and, in accordance with the provisions of that section, to be prepared to submit the encrypted version of their Tender in a timely manner if occasioned by TenderNed malfunctioning.

2.5.2 Sending and grading Tender

The Tender consists of the following documents. Documents in **Part A** relate to the Tenderer. Documents in **Part B** relate to either Third Party(ies) whose experience/resources the Tenderer appeals to under the Eligibility Requirements and/or the Declaration of Willingness of Tenderer for the required insurance. The documents under **Part B** need to be submitted only if Third Party(ies) are invoked or if Tenderer is not (yet) in possession of either the insurance company's policy or satisfactory statement within the stipulated timeframe.

Part A Submission of the Tender

The Tender, under penalty of invalidity, must consist of the following components.

- Annex A01** European Single Procurement Document (Tenderer, if applicable: all individual Combination members; the individual Third Party or for the benefit of one or more subcontractors to be used for the work).
- Annex A02** Format for reference projects
- Annex A03** Price sheet
- Annex A04** Format for answering questions/fulfilling preferences, sub-award criterion: quality
- Annex A05** Maintenance / services

The above sheets must be completed in full. Only the ESPD need be validly signed.

Gather the pdf files, Annexes **A01** to **A05**, as separate "loose" files into a compressed file (zip file) named: "....."_part A. The Tenderer should replace the dotted line with all or part of its company name. Upload this compressed file to TenderNed's digital vault.

Part B Submission of supporting documents

- Annex B01** Format for Declaration as to Reliance on Financial and Economic Standing of Third Party or Parties
- Annex B02** Format for Declaration as to Reliance on Technical and Professional Competence of Third Party or Parties
- Annex B03** Format for Statement of Policy/Declaration as to Insurance

The above sheets must be completed in full. Only the ESPD need be validly signed.

Gather the pdf files, Annexes **B01** to **B03** as separate "loose" files into a compressed file (zip file) named: "....."_part B. The Tenderer should replace the dotted line with all or part of its company name. Upload this compressed file to TenderNed's digital vault.

3 Assessment of Tenderers and Tenders

3.1 Assessment team

A team of subject-matter and process experts has been constituted to conduct a qualitative assessment of the Tenders, focusing on the qualitative Award Criteria. The assessment team evaluates the quality of the Tenders without any knowledge of the financial part of the submissions. For this reason, in no circumstances shall a Tenderer include any pricing information in their submission, except within the Price Sheet, **Annex A03**. This stipulation ensures that all financial details are confined to the designated section, thereby maintaining the integrity and uniformity of the evaluation process.

The members of the assessment team assess, on a strictly personal basis and independently, the elaboration of the qualitative (sub-sub-)award criteria for the Tenders. For these criteria, see section 6.1.2 and its elaboration in Chapter 8. In a meeting of the individual assessors, the average of the individual scores is then determined.

The average of the individual scores then determines the overall score for a sub-sub-award criterion. Average scores are rounded to one decimal place.

In the announcement of the Intention to Award, TNO will state the numbers of completed points per (sub-)sub-award criterion. The total score for sub-award criterion: Quality (QY) has been arrived at by totalling unrounded scores on the sub-sub-award criterion, after which this total score is rounded to a whole number for the purpose of said announcement.

3.2 Assessment procedure

The assessment procedure is as described in the following sections.

- Section 4** : concerns the assessment of the timeliness, formal requirements and completeness of the Tender submitted.
- Section 5** : concerns requirements formulated in respect of Grounds for Exclusion and Suitability Requirements. If one or more Grounds for Exclusion apply and/or if a Tenderer fails to meet the Suitability Requirements, the Tenderer will be excluded/the Tender will be invalid.
- Section 6** : concerns the description of the assessment by TNO of the Tenders against the Award Criterion. The Award Criterion is assessed by allocating points to the Tender
- Section 7** : concerns the assessment of supporting documents and other documents requested by TNO from the intended beneficiary.
- Section 8** : this describes the assessment carried out by TNO in respect of the Minimum Requirements. This involves assessing TNO's requirements and preferences for the performance of the Contract, i.e. the Programme of Requirements and Preferences ("PoR"):

TNO assesses and ranks the Tenders on the basis of the Award Criterion: Best Value for Money (BVM), see Section 6 in this regard.

TNO may ask the Tenderer for clarification with regard to the submitted Tenders up to the end of the Procurement Procedure. The Tenderer is deemed to be willing and able to answer questions within 48 hours of sending the questions. If questions are not answered (in a timely manner), TNO may interpret the Tender in any manner it sees fit, based on the documents known to it.

4 Assessment of timeliness, formal requirements and completeness

4.1 Assessing timeliness of submission

The Tender must be submitted in a timely manner, i.e. within the tendering period (see Section 2.1). Tenders not submitted in a timely manner are invalid and TNO will discard them.

4.2 Assessing for other formal requirements and completeness

Tenders submitted by means other than through TenderNed will not be assessed and will be discarded. The foregoing is subject to any malfunctions of TenderNed, recognised as such by TenderNed.

The Tenders will be assessed as regards completeness and the formal requirements applicable in the Procurement Procedure, including at all events the legally valid signature. Tenders that are incomplete and/or fail to meet all the formal requirements will be declared invalid by TNO and discarded. Missing answers, documents, or data will result in exclusion if there is no rectifiable omission. Tenderers are reminded that TNO is not obliged to have deficiencies rectified. TNO has the discretionary power to offer a rectification option.

If – for whatever reason – a question cannot be answered or the requested data cannot be submitted in full or at all, this must be explicitly stated at the time of the Tender, together with reasons. Depending on the nature of the deficiency, TNO will assess whether the Tender is invalid, in which case it will be discarded, or whether the deficiency is amenable to rectification.

Deficiencies for which TNO offers a rectification option must be rectified within the timeframe as stated in the relevant request from TNO. If a deficiency is not rectified within the notified period or at all, the Tender will be invalid after all.

5 Assessment of Grounds for Exclusion and Suitability Requirements

5.1 Assessing Grounds of Exclusion

The Tenderer will be assessed in terms of the Grounds for Exclusion listed in the ESPD (Section III). The Tenderer declares in the ESPD whether the Grounds for Exclusion used are applicable or not at the time of tendering. Where one or more Grounds for Exclusion apply, the Tenderer will generally be excluded. The Tenderer will have the opportunity to give reasons in the ESPD why it should not be excluded after all because of self-cleansing measures or at least why exclusion would be disproportionate. TNO will take these reasons into account in its decision on the final exclusion of the Tenderer. The reasons must be included in or appended to the ESPD. Tenderers may not continue to submit and/or alter the reasons once the tendering period has elapsed.

If the Tenderer is a Combination and a Ground for Exclusion applies to any of the participants in that Combination, the Combination as a whole will be excluded. Each Combination member must submit its own legally signed ESPD.

If the Tenderer relies on the suitability of a Third Party or Parties as described in Section 2.2.10 of the Procurement Guide and a Ground for Exclusion applies to one or more Third Parties, TNO will reject its reliance on the suitability of the Third Party or Parties in question. If the Tenderer, whose reliance on a Third Party or Parties has been rejected, fails – after having been given the opportunity to do so by TNO – to rely (in a timely manner) on the resources of a substitute Third Party or Parties, or if the Tenderer does rely on a substitute Third Party or Parties but fails to comply fully or at all with the requirements set for that purpose, the Tenderer will be excluded from participating in the Procurement Procedure. The substitute Third Party or Parties must be proposed within seven (7) calendar days of a request to that effect from TNO, submitting all the documents requested in the Procurement Documents for that purpose. Proposing a substitute Third Party is not considered an amendment to the Tender. If a Tenderer is permitted to propose a substitute Third Party, the Tenderer may only substitute the Third Party while submitting the relevant documents in this connection. Other parts of the Tender, including, but not limited to, the elaboration of the award criteria remain unchanged.

The completed and validly signed ESPD will suffice in the first instance as evidence that the Grounds for Exclusion do not apply to the Tenderer. At TNO's request, the Tenderer to which TNO intends to award the Contract will provide – by the date specified in Section 7.1 of the Procurement Guide – the supporting documents referred to in section 7.1. If the Tender is submitted in Combination, all the Combination members must submit the supporting documents listed below. If the Tenderer relies on the standing/resources/experience of one or more Third Parties, then the supporting documents listed below from each Third Party should be submitted.

Tenderers are reminded that it may take several weeks to obtain some supporting documents. Tenderers are therefore advised to request the supporting documents at the earliest possible stage so that they can be supplied in a timely manner – in response to any request from TNO. TNO would point out that any Tenderer relying on a Third Party is itself responsible for the timely submission of supporting documents in respect of the Third Party's ESPD. TNO therefore advises Tenderers to inform, in a timely and appropriate manner, Third Parties on whose suitability they rely which documents may be requested by TNO in the event of award to the Tenderer and the time required to obtain these documents. Failure to obtain supporting documents in a timely manner or at all remains at the Tenderer's risk. If the supporting documents are not supplied in a timely manner and/or complete, the Tenderer will still be excluded. If a supporting document has not been obtained in a timely manner, but has been requested in good time and the failure to obtain it is not due to a circumstance within the Tenderer's sphere of risk, the Tenderer will not be excluded. To this end, the Tenderer must demonstrate that the relevant supporting document has been requested not later than two (2) working days after publication of the announcement of the Procurement Procedure.

5.2 Assessing Suitability Requirements

The Tenderer must, at the time of Tendering, possess a certain minimum level of expertise and ability to perform the contract: the Suitability Requirements.

The Tenderer will be assessed on the Suitability Requirements. If the Tenderer relies on the suitability of a Third Party or Parties as referred to in Section 2.2.10 of the Procurement Guide, TNO will assess whether the Third Party or Parties meets the specified Suitability Requirements, for which the Tenderer relies on said Third Party or Parties.

The Suitability Requirements refer to the required financial and economic standing, technical and professional ability and professional competence that the Tenderer must meet in order to be eligible to submit a Tender.

The Tenderer must meet all the Suitability Requirements at the time when the Tender is submitted. If the Tenderer fails to meet all the Suitability Requirements, with or without relying on one or more Third Parties, the Tender will be invalid.

If tendering in Combination, the Combination as a whole must meet the Suitability Requirements and in principle not all the individual Combination members. However, this may be different for a specific Suitability Requirement.

5.2.1 Financial and economic standing

5.2.1.1 Insurance

The Tenderer shall maintain valid insurance coverage for both business liability and professional liability, with a minimum coverage amount of €1,250,000 per occurrence or series of related occurrences, and an annual aggregate limit of no less than €2,500,000. In the absence of such coverage at the time of Tender submission, the Tenderer shall demonstrate the ability and express the willingness to procure the required insurance coverage upon receipt of a notice of Intention to Award. The Tenderer is responsible for ensuring that, if awarded Contract, it remains insured at least in accordance with this requirement during the term of the Contract. The Contractor will inform TNO without delay of any changes to the insurance policies. If the Contractor's insurance does not or no longer meets this Suitability Requirement during the term, TNO will be entitled to dissolve the Contract without notice of default or judicial intervention and without being liable to pay compensation to the Contractor.

Ticking the "yes" box in Part IV of the Tenderer's ESPD (Annex **A01**) will suffice in the first instance as evidence that the Tenderer meets this requirement.

At TNO's request, the Tenderer whose Tender was ranked first will provide the evidence of insurance within the set timeframe as referred to in Section 7.1. This supporting document comprises a policy showing the required insurance cover, the insurance contract, the policy schedule or a satisfactory declaration from the insurance company showing that the Tenderer is insured as required in the Procurement Documents. If a group policy is submitted, the Tenderer must supply a copy thereof to demonstrate that it is jointly insured.

If the Tenderer does not (or not yet) have the insurance company's policy or satisfactory declaration in its possession within the set timeframe, it should sign a Declaration of Readiness instead (Annex **B03**). By signing this declaration, the Tenderer declares that it will provide a copy of the policy or of a satisfactory statement by the insurance company within seven (7) calendar days after the notification by TNO that it intends to enter into the Contract with the Tenderer under the suspensive condition of the required insurance, based on the assessment of the supporting and other documents already submitted (see Sections 7.1 and 7.2). Said notification will be issued by TNO only after the standstill period has expired without summary proceedings being instituted or – where summary proceedings have been instituted – the relevant judgment states that the Award Decision can be upheld. The Contract will not be entered into until such time as evidence of the Tenderer being adequately insured has been received. If the Tenderer is unable to provide the required insurance policy or a satisfactory declaration from the insurance company within the set timeframe, the Contract will not be concluded and TNO will retain the right to award the Contract to the Tenderer which would be ranked in first place after the number one was eliminated in accordance with the assessment system, and which has stood by its Tender.

5.2.2 Technical and professional competence

Competence requirements state the degree to which Tenderers may be considered capable of performing the actual activities under the present Contract as required.

5.2.2.1 Reference projects

The Tenderer should demonstrate experience in the required core competences by providing details of reference projects. The Tenderer should cite one reference project for each core competence. The Tenderer may cite the same reference project to fulfil the different core competences.

As evidence that the Tenderer has experience in the core competences listed below, the Tenderer shall cite the required reference projects immediately upon submission of the Tender. To this end, the Tenderer should submit a fully completed Annex **A02** for each core competency. If the Tenderer uses one reference for multiple core competences, then a completed Annex **A02** must be submitted for each core competence. The completed Annex **A03** must show that the reference project cited fulfils all aspects of the core competence. Additions or amendments to the details in Annex **A02** are not permitted after the expiry of the tender date.

If the Tenderer relies on the technical and professional competence of a Third Party or Parties, the Tenderer shall submit for each core competence for which it relies on the relevant Third Party or Parties an Annex **A02** fully completed by said Third Party or Parties.

If a project is cited that has not yet been (fully) completed, only the actual results achieved under the current Contract may be stated and a forecast of results is not sufficient.

TNO has identified the following core competences that correspond to the desired experience in key areas of the present Contract.

Core Competence 1: The Tenderer has experience in delivery of non-contact optical profiler systems.

Reference project: The Tenderer must have delivered a project that fulfils Core Competence 1 in the past 3yrs from the date of Announcement of this Procurement Procedure and whose contract value was a minimum of € 200.000 excluding VAT.

The project should have been delivered in accordance with the conditions agreed at the time, including the completion date and budget.

Core Competence 2: The Tenderer has experience in service and maintenance of non-contact optical profiler systems.

Reference project: The Tenderer must prove that they have the capacity to perform maintenance and service / support for non-contact optical profiler systems.

TNO reserves the right to check references with the referee without involving the Tenderer. TNO assumes that the Tenderer has informed the referees accordingly. The information obtained by TNO from the referent will be taken into account in the assessment of the Tender.

If the Tenderer has not demonstrated in its Tender that it has the required experience in all the core competences, this will result in the Tender being rendered invalid.

5.2.3 Professional competence

By completing the ESPD (Annex **A01**) and ticking the "yes" box in Part IV, the Tenderer declares that it is registered in the professional or trade register in accordance with the regulations of the Member State in which it is based.

At TNO's request, the Tenderer to which TNO intends to award the Contract within the period specified in Section 7.1 of the Procurement Guide will provide relevant evidence:

- for enterprises based in the Netherlands, an extract from the trade register of the Chamber of Commerce must be submitted, which is not more than six months old at the time of submission of the Tender. For enterprises based outside the Netherlands, a similar document should be appended in accordance with the applicable regulations of the relevant country in which the enterprise is based;
- where the Tenderer is a partnership or general partnership, the Tenderer shall submit the extracts of those that form the partnership/general partnership (if recorded in the trade register) as well as a declaration signed by all the partners showing the power of representation for the purposes of this Tender;
- where the Tenderer is a Combination, the Tenderer shall submit extracts from all participants in that Combination, and;
- where the Tenderer submits a Tender relying on the standing/capacity/experience of one or more Third Parties, the Tenderer shall submit extracts from all Third Parties or subcontractors, as the case may be.

5.2.4 Legal suitability to perform an assignment

On 8 April 2022, the EU adopted a fifth sanctions package regarding the Russian war in Ukraine (Council Regulation 2022/576). This reference includes all prior and future sanctions packages adopted by the EU in this context, which shall be considered equally applicable. In that package, contracting authorities are prohibited from granting assignments to (1) natural persons with Russian nationality or legal entities established in Russia, (2) legal entities that are owned for 50% or more by one of the natural persons or legal entities referred to under (1), and/or (3) natural persons or legal entities acting in the interests or on the instructions of a natural person or legal entity referred to under (1).

TNO applies the above requirements as a suitability condition for this Procurement Procedure. A Tenderer will be legally unsuitable to perform the assignment (Section 2.90(4) of the Dutch Public Procurement Act (*Aanbestedingswet*)), and its Tender will be invalid, if:

- 1) the natural persons have Russian nationality or the legal entities are domiciled in Russia; and/or
- 2) they are legal entities that are owned for 50% or more by natural persons or legal entities referred to under (1); and/or
- 3) they are natural persons or legal entities acting in the interests or on the instructions of a natural person or legal entity referred to under (1).

The Tenderer must therefore demonstrate in its Tender that:

- 1) the Tenderer does not have Russian nationality and/or is not domiciled in Russia; and
- 2) the Tenderer is not owned for 50% or more by a natural or legal person referred to under (1); and
- 3) the Tenderer is not acting in the interests or on the instructions of a natural or legal person referred to under (1), including the payment of monies to a natural or legal person referred to under (1), whether or not it is legally obliged to do so and whether or not it is actually possible at present.

If one or more of the above three (3) requirements cannot be demonstrated, the Tender will be invalid.

Where the Tenderer tenders in Combination, this requirement shall apply to all the individual Combination members. Where the Tenderer relies on the standing/resources/experience of one or more Third Parties, this requirement shall also apply to the Third Parties on whose standing/resources/experience the Tenderer relies. If the Tenderer wishes to use one

or more subcontractors during the performance of the Contract, the Contractor will have to demonstrate – for that subcontractor – that it meets this requirement at the time a subcontractor is presented to TNO for approval.

Ticking the "yes" box in Part IV of the Tenderer's ESPD (Annex **A01**) will suffice in the first instance as evidence that the Tenderer meets this requirement.

To this end, the Tenderer to which TNO intends to award the Contract within the set timeframe as referred to in Section 7.1, shall provide the means of proof relating to this Suitability Requirement. This concerns the following documents:

- a) a recent (not older than six (6) months from date of Tender) extract from the trade register reflecting the most recent state of affairs; and
- b) an up-to-date report on the holding structure (where the Tenderer is part of a holding structure) showing the direct and indirect ownership relationships of the Tenderer; and
- c) a copy of the Tenderer's current articles of association.

In addition, the Tenderer shall declare categorically not to supply products - including semi-finished and finished products - listed in Annex XVII of the European Commission Regulation (EC) No 833/2014 on Russia Sanctions. When supplying products covered by this Annex XVII, the Tenderer shall provide as proof a Mill Test Certificate (MTC), or similar certificate such that it meets the requirements and obligations to establish the country of origin.

The Tenderer must continue to meet the Suitability Requirement. TNO will be entitled to verify this during the term of the Contract. If it becomes apparent during the term of the Contract that the Contractor does not meet – or no longer meets – the Suitability Requirement, TNO will be entitled to terminate the Contract with immediate effect, without being liable to pay damages to the Contractor and without the necessity of a notice of default or judicial intervention.

5.2.5 Exclusion of Economic Operators from Non-GPA or Non-Equivalent Trade Agreement Countries

TNO reserves the right to exclude Tenders submitted by economic operators established in third countries that are not parties to the WTO Government Procurement Agreement (GPA) or to an equivalent trade agreement with the European Union. This exclusion is based on a risk assessment concerning national security and strategic autonomy.

Economic operators that are subject to influence by states or governments pursuing political or strategic objectives that diverge from those of the Netherlands - where such influence constitutes a credible risk - shall likewise be deemed ineligible for contract award. The assessment will be conducted based on, among other things, the extract from the commercial register or an equivalent national register to be submitted by the tenderer.

6 Assessment of Award Criterion

TNO assesses and ranks the Tenders based on the Award Criterion: Best Value for Money (BVM). The Tenderer with the highest overall score is deemed to have submitted the 'Most Economically Advantageous Tender' and is therefore provisionally awarded the contract.

6.1 Award Criterion: Best Value for Money (BVM)

This criterion is divided into the following sub-award criteria, with the corresponding weighting factors, where the assessment of the sub-award criteria: Price (TP, Total Price) and Quality (QY) is scored by setting a number of point scores to be achieved.

Award Criteria	Max. points score
Price (TP, Total Price)	200
Quality (QY)	800
Total	1000

The Tender with the highest total points score will be designated as Best Value for Money "BVM", on the basis of which TNO intends to award the Contract. See also Section 6.2 Award.

Point scores for each sub-award criterion will be rounded to one (1) decimal place. Total points are scored for each sub-award criterion by adding up unrounded point scores. In the announcement of the Intention to Award, TNO will state the rounded points scores allocated to each (sub-)sub-award criterion.

If the Tenderers with the highest Total Score have an equal Total Score, the Contract will be provisionally awarded to the Tenderer with the highest score for the sub-sub-award criterion Quality. If these scores are also equal, a draw will be held among the Tenderers with equal scores which are eligible for award. The protocol for the draw, if any, will be shared with the Tenderers among which lots will be drawn.

If, after the provisional award, the Tenderer with the highest score nevertheless proves to be invalid/is excluded from the procedure, the Tenders will be reassessed on the basis of the Award Criterion: Price, after which a new total score will be determined. TNO will award the Contract again based on this reassessment. This is to avoid what is referred to as the "ranking paradox".

6.1.1 Sub-award criterion: Price TP (Total Price)

To determine the sub-award criterion: TP (Total Price), TNO asks the Tenderer to use the Price Sheet prepared by TNO (in MS Excel) according to Annex **A03** for its price proposal. This Price Sheet should be completed and appended to the Tender. The Tenderer should strictly follow the outline of the Price Sheet and complete it in full. If the Price Sheet has not been submitted in full and/or correctly or at all, TNO will declare the Tender invalid and exclude it from further participation in the Procurement Procedure. Changing the format and layout of the Price Sheet (Annex **A03**) will also invalidate the Tender.

The distribution of the maximum number of point scores to be achieved for TP is given in the table below:

Criterion	Weight	Max. points score
Price TP 1 - the non-contact optical profiler system, and includes: <ul style="list-style-type: none"> - Two-year warranty including maintenance and services; - (Critical) Design review; - Factory Acceptance Test (FAT); - Site Acceptance Test (SAT); - Installation on site; - Operator- & First-Line maintenance training; - Delivery according to Incoterms®2020 Delivered Duty Paid (DDP) (location: TNO Eindhoven, the Netherlands). 	4	150
Price TP 2 - Eight (8) stand-alone licences, see Preference P-8000-125	1	25
Price TP 3 - Maintenance/Services A one-year contract for maintenance and services, commencing after the two-year warranty period and subsequently renewable on an annual basis for a maximum total duration of three years. The scope of this Maintenance and Services contract also applies to the warranty period.	2	25
Total TP = TP1 + TP2 + TP3		200

When completing the Price Sheet, the following Minimum Requirements apply:

- 1) Prices and expenses should be stated in euros excluding VAT, and to two (2) decimal places;
- 2) The prices/rates listed in the Price Sheet are all-inclusive. This means that all the costs/services/obligations/etc. required for the performance of the Contract in accordance with the contract terms have been factored into the prices and rates. During the performance of the Contract, the Contractor shall not be entitled to any other and/or additional remuneration other than that in accordance with the Price Sheet;
- 3) The Price Sheet should include a price proposal on all the required items. The Tenderer shall use the Price Sheet prepared by TNO unchanged;
- 4) The Tenderer is solely responsible for stating figures and adding them correctly;
- 5) The prices quoted by the Tenderer should be based on the Procurement Documents without reservations of any kind;
- 6) Specific Minimum Requirements or additional instructions relating to the Price Sheet are included in the "additional instructions" tab and are accepted by the Tenderer reservations of any kind;

The value of the lowest TP (Total Price) is determined on the basis of the cumulative costs in the Price Sheet defined by TNO.

The Tenderer with the lowest TP, being the lowest total price calculation, will be awarded the full number of points, set by TNO at 200 points. For the remaining Tenderers, the number of points to be obtained will be determined on a pro rata basis, with points deducted from the maximum number of points to be obtained.

Total points for TP (Total Price) are calculated according to the following formula:

- $i \in \{1, 2, 3\}$
- $P_{\min,i}$ = lowest price in TP i
- $P_{s,i}$ = Tenderers price for TP i
- M_i = max points for TP i
- W_i = Weighting factor for TP i
- $\sum_{i=1}^3 =$ sum over TP1, TP2 and TP3

The score for each TP i : $Score_i = (P_{\min,i} / P_{s,i} * M_i) * w_i$

The Total score for TP: $Score_{tot} = \sum_{i=1}^3 (P_{\min,i} / P_{s,i} M_i w_i)$

<i>Example calculation:</i>			
Component	Submitted Price	Lowest Price	Max Score
TP1	€ 300.000,00	€ 230.000,00	150
TP2	€ 2.000,00	€ 1.500,00	25
TP3	€ 10.000,00	€ 5.000,00	25

Raw scores:
 TP1 score is 115,0
 TP2 score is 18,8
 TP3 score is 12,5

Weighted total
 TP1 weighted: 115,0 x 4 = 460,0
 TP2 weighted: 18,8 x 1 = 18,8
 TP3 weighted: 12,5 x 2 = 25,0

Normalized Total Score: $(503,8/675) \times 200 = 149,3$

6.1.2 Sub-award criterion: Quality (QY)

Section 8, the Programme of Requirements and Preferences (hereinafter "PoR"), of the Procurement Guide describes the requirements to be met by the performance of the Contract.

The PoR also contains a number of preferences with regard to the quality of the requested service/supply. These preferences are set out in the form of a questionnaire. By filling in the preferences section and answering questions, Tenderers can differentiate themselves in terms of quality.

The Tenderer is asked to provide notes for each preference/question, answering the subject-matters listed in the questionnaire.

The Tenderer shall answer the open questions clearly, unambiguously and point by point.

When elaborating an answer for each open question, the Tenderer should respect the set maximum number of A4 pages (font size at least 10 points and line spacing at least 1.5). Tenderers should bear in mind, when elaborating the preferences, that said answers become part of the Contract and must therefore be capable of fulfilment by the Tenderer.

TNO bases the assessment of the answers on the set maximum per answer. This means that Annexes or references to them should not form part of the answer in order to "get round" the set maximum number of A4 pages in this way. However, illustrations, diagrams, organisational charts and sample reports can form part of the answer. Annexes should not form part of the answer and will not be included in the assessment. If the set maximum is exceeded, the excess number of A4 pages will not be included in the assessment. Any part of the elaborated answer that exceeds the maximum will not become part of the Contract.

The elaboration of the preferences will be assessed in absolute terms. It is therefore possible that more than one Tenderer has the same score for the relevant answer to the question asked.

The answers to the questions and therefore the compliance with preferences should be structured in the manner and order as specified in Section 8 and can be submitted using the Tenderer's own A4 format, subject to the aforementioned requirements.

The distribution of the maximum number of points to be achieved for sub-sub-award criterion: Quality (QY) is shown in the table below:

Section 8 Sub-sub-award criterion: Quality	Max. points
P-8000-005 up to P-8000-125, and P-8000-135	Each preference: 30 points
P-8000-130	20 points
Total	800

The assessment of the answers to the questions as posed under the preferences in the PoR is carried out in the manner described in Section 3.1. As stated in Section 3.1, the average of the individual scores determines the corresponding total score. The average is determined by first determining the score per assessor (percentage * maximum score) and then averaging that score across all assessors (individual scores summed/number of assessors).

Each percentage referred to in the table equals a percentage of the maximum score per preference.

Valuation	Score	Notes to valuation
No/poor answer	0%	No answer given or answer is not good, i.e. it is not in accordance with TNO's (minimum) preference(s)
Unsatisfactory answer	20%	Answer is not complete (the preference is not fully elaborated), not sufficient, not satisfactory, i.e. it is not fully in line with TNO's preference(s)
Satisfactory answer	50%	Answer is sufficient, satisfactory, adequately reflects TNO's preference(s)
Good answer	85%	Answer is good, i.e. the answer accurately reflects TNO's preference(s)
Very good answer	100%	Answer is outstanding, i.e. the answer exceeds TNO's preference(es)

The following questions will be considered when assessing compliance with the preferences:

- Is the answer specific, realistic, achievable, effective, complete and consistent?
- To what extent does the answer reflect TNO's situation and the Programme of Requirements and Preferences? Does the Tenderer address the requested elements, subject-matters and aspects as stated in the relevant preference/question and the Programme of Requirements and Preferences?

The assessment will be based on the overall impression given by the answer given. The preference does not involve separate assessment aspects or criteria.

6.2 Award of Contract

6.2.1 Notification of the Award Decision

All Tenderers will receive from TNO, expectedly on the date referred to in the schedule under Section 2.1, the notification of the final result of the assessment of the Tenders and the intended Award Decision.

In this notification of the Award Decision, TNO will indicate the Tenderer to which it intends to award the Contract, as well as, for unsuccessful Tenderers, reasons for their rejection.

6.2.2 Challenge

If a Tenderer disagrees with the Intention to Award as notified by TNO, it will be given the opportunity to challenge the Intention to Award within twenty (20) calendar days after the date of publication of the Intention to Award in the manner described in Section 2.4 of the Procurement Guide.

6.2.3 Final award

Once the standstill period has expired without summary proceedings having been instituted or, if summary proceedings have been instituted in a timely manner, the judgment in first instance does not oppose final award, TNO will contact the successful Tenderer as soon as possible to proceed with the award, except where a situation exists in which summary proceedings have been instituted in a timely manner. No final award will be made until the Contract has been validly signed by both Parties. If this is not the case, there is no question of TNO being bound in any way.

Kick-off meeting

TNO may intend to hold a kick-off meeting before the final contract is awarded. The Kick-off meeting objective is to cross-check and clarify (if any need) the Supplier proposed design including the complete set of compliance against customer applicable documentation at the issue that is relevant for the contract/kick off.

Digital Signature of Contract

To this end, TNO signs its Contracts using a so-called advanced digital signature tool, known as ValidSign. On receipt of the provisional award, the Tenderer is requested to provide the e-mail address and personal mobile phone number of the organisation's authorised signatory. The telephone number is needed to make the Contract legally binding (using SMS authentication).

On receipt of the final award, the Tenderer receives an e-mail containing a link to the documents to be digitally signed and clicks on "sign the documents" and is automatically redirected to ValidSign where the signature fields are visible. To sign, the Tenderer clicks "click to sign" and then "confirm". Once the documents have been digitally signed by the Tenderer and TNO, the Tenderer can download the digitally signed documents within a timeframe of thirty (30) days.

Progress meetings

After the Contract award, the Tenderer is required to participate in regular progress meetings. These meetings shall be held on a weekly or biweekly basis. The purpose of these progress meetings is to ensure effective communication, monitor the progress of the Contract, address any issues or concerns, and deadlines are being met. Each progress meeting shall include, but is not limited to, the following agenda items:

- Review of the current status
- Discussion of completed and upcoming tasks
- Identification and resolution of any issues or risks
- Review of timelines and milestones
- Any other relevant topics as agreed upon by both parties

The Tenderer must ensure that key personnel, including the project manager and relevant team members, attend these meetings. TNO will also designate representatives to attend the meetings.

7 Assessment of supporting and other documents from intended beneficiary

7.1 Requesting supporting and other documents from intended beneficiary

The Tenderer to which TNO intends to award the Contract must submit the supporting documents for the ESPD and any other documents and/or data within seven (7) calendar days after the date of TNO's request.

The following supporting documents must be supplied to TNO by the Tenderer to which TNO intends to award the Contract within seven (7) calendar days after the date of the request:

- Certificate of Conduct for Procurement (not more than two years old as at the date for submission of the Tender): The Tenderer, where applicable: all individual Combination members; all individual Third Parties;
- Declaration of Payment Behaviour from the Dutch Tax and Customs Administration (not more than six months old as at the date for submission of the Tender): The Tenderer, where applicable: all individual Combination members; all individual Third Parties;
- Extract from trade register (not more than six months old as at the date for submission of the Tender): The Tenderer, where applicable: all individual Combination members; all individual Third Parties;
- The supplier has ISO 9001 Certification or similar measures;
- The supplier has ISO 14001 Certification or similar measures;
- Insurance policy or Declaration of Readiness as to insurance (Annex **B03**);
- If applicable: Declaration as to Reliance on Financial and Economic Standing of Third Party or Parties (Annex **B01**);
- If applicable: Declaration as to Reliance on Technical and Professional Competence of Third Party or Parties (Annex **B02**).

Certificate of Conduct

The Certificate of Conduct (GVA; Dutch: Gedragsverklaring Aanbesteden) is a statement from the Minister of Security and Justice. The GVA indicates that an investigation into the natural or legal person concerned has not resulted in any objections in connection with the application and tendering for public contracts, special sector contracts, concession agreements for public works and/or services or competitions. After a provisional award, the provisionally awarded tenderer(s) must submit a valid GVA as proof that the grounds for exclusion do not apply to them.

Because the processing time of an application varies from a minimum of 4 to 8 weeks, it is advisable to apply for the GVA in time. It is the responsibility of the provisionally successful tenderer(s) to obtain a valid GVA in good time. Failure to provide the GVA (in time) will result in unconditional exclusion from the tender procedure.

For more information on the GVA, the contracting authority refers to the website of the Ministry of Security and Justice (<https://justis.nl>).

Foreign companies without a Dutch subsidiary cannot apply for a GVA. If a tenderer has its corporate seat in a country that does not issue a GVA or an equivalent form, the tenderer must provide a statement in which the tenderer solemnly declares under oath that the grounds for exclusion do not apply to the business. The statement must be made before a competent judicial or administrative authority, a civil-law notary or a competent professional body of that country and must be addressed to the contracting authority.

TNO will request the intended beneficiary to submit the supporting documents. TNO will assess the following aspects of these documents:

- ascertain whether supporting documents submitted by Tenderer are submitted in a timely manner
- assess whether all the supporting documents requested by TNO have been submitted and whether the supporting documents received are complete. The absence of all or part(s) of supporting documents and/or other data will result in exclusion if there is no rectifiable omission. Depending on the nature of any deficiency, TNO will assess whether, as a result of that deficiency in the supporting documents, the Tender is invalid after all and will be disregarded, or whether the deficiency is amenable to rectification. The offer of rectification is a discretionary power of TNO and not a (legally enforceable) obligation.
- assess whether the Tenderer demonstrates through the supporting documents submitted that it complies with what it has declared through its Tender.

If the supporting documents are not, not completely and/or not timely received, or if the supporting documents show that the information in the Tender is incorrect, the Tenderer will be excluded after all/the Tender will be disregarded after all. If this is the Tenderer with the lowest price, the score for the sub-award criterion on price (TP) will be recalculated, after which a new ranking will be determined. If this was not the Tenderer with the lowest price, the ranking order will be maintained and the Contract will be provisionally awarded to the Tenderers ranked in order of succession.

TNO is also entitled to verify the Tender from the Tenderer to which it intends to award the Contract. If this verification shows that the Tender contains inaccuracies or cannot be fulfilled, the Tender will be disregarded after all. If this is the Tenderer with the lowest price, the score for the sub-award criterion on price (TP) will be recalculated, after which a new ranking will be determined. If this was not the Tenderer with the lowest price, the ranking order will be maintained and the Contract will be provisionally awarded to the Tenderers ranked in order of succession.

7.2 Contract subject to condition precedent

If the Tenderer is unable to provide a copy of the policy, nor a satisfactory statement from the insurance company, within the timeframe referred to in the previous section, but has signed the Declaration of Readiness in accordance with Annex **B03** then TNO will notify the Tenderer after a positive outcome of the assessment of the other (supporting) documents and after the standstill period has expired without summary proceedings having been instituted or – where summary proceedings have been instituted within the standstill period – the relevant judgement shows that the Award Decision can be upheld, that TNO will enter into the Contract with the Tenderer subject to a condition precedent. This condition precedent implies that the Contract will only actually be entered into if, after a timeframe of seven (7) calendar days (see Section 7.1), the Tenderer provides TNO with a copy of the required insurance policy or a satisfactory statement from the insurance company showing that the Tenderer is insured as required in the Procurement Documents. The Contract will not be entered into until after receipt of either document.

If the Tenderer is unable to provide the required insurance policy or a satisfactory statement from the insurance company within the set timeframe, the Contract will not come to fruition and TNO will retain the right to award the Contract to the Tenderer which would be ranked in first place after the number one which was eliminated in accordance with the assessment system.

8 Programme of Requirements and Preferences

TNO assesses the Tenders against the Programme of Requirements and Preferences. The Programme of Requirements and Preferences includes Minimum Requirements, Performance Requirements and Preferences. The Minimum Requirements must be met on penalty of invalidity at the time of submission of the Tender, the Performance Requirements only at the time of performance of the Contract and the Preferences must be worked out by Tenderers as part of the award of the Contract. Tenderer shall demonstrate compliance with requirements through appropriate technical documentation, which shall be submitted as part of the tender response.

TNO has the right, but not the (legally enforceable) duty, to ask for clarification as regards meeting the Minimum Requirements and how the Tenderer expects to meet the Minimum Requirements.

As stated in Section 6.1.2 of this Procurement Guide, in addition to the Minimum Requirements and performance requirements, this PoR also contains a number of preferences as regards the quality of the optical profiler. The preferences must be answered/elaborated upon by the Tenderer in the Tender in response to the qualitative sub-award criteria.

Any changes to the PoR that may occur during the performance of the Contract will be implemented in accordance with the conditions of the Contract. In this regard, TNO will ensure that no material amendment will be made to the Contract.

The objective and scope of the Contract (including this PoR) as well as a description of the current conditions have been described in Section 1.

This Programme of Requirements and Preferences is laid out in the following sections:

8.1 Requirements,

8.2 Preferences,

8.3 Questions.

8.1 Requirements

8.1.1 Subject-matter 'General sample requirements'

Requirement no.	Requirement description
R-1000-005	The non-contact optical profiler system shall be capable of accurately measuring both reflective and diffuse surfaces. It shall support a measurable surface reflectivity range from 0.05% to 100%. Rationale: As per ISO 25178-604 workpieces can have optically smooth, optically rough or optically non-uniform surfaces.
R-1000-010	The non-contact optical profiler system shall accommodate samples with a weight of at least 20 kg.
R-1000-015	The non-contact optical profiler system shall be capable of measuring workpieces with a height of at least 75 mm.
R-1000-020	The non-contact optical profiler system shall support plano sample measurements with an aperture diameter of at least 300 mm.

8.1.2 Subject-matter 'non-contact optical profiler system requirements'

Requirement no.	Requirement description
R-2000-005	The non-contact optical profiler system shall be capable of performing measurements using Phase Shifting Interferometry (PSI). The tenderer shall indicate the interferometric technology offered.
R-2000-010	The non-contact optical profiler system shall be capable of measuring surface roughness values with an $S_q < 0.1$ nm.
R-2000-015	The non-contact optical profiler system shall demonstrate repeatability of the S_q parameter > 0.01 nm (1 sigma) at any magnification, without the application of averaging, filtering, or smoothing.
R-2000-020	The non-contact optical profiler system shall provide a vertical resolution of the measurement less than or equal to 0.01 nm.
R-2000-025	The non-contact optical profiler system shall be capable of performing measurements using Vertical Scanning Interferometry (VSI). Alternative terminology such as White Light Interferometry or Coherence Scanning Interferometry shall be considered equivalent. The tenderer shall indicate the interferometric technology offered.
R-2000-030	The non-contact optical profiler system shall provide a vertical resolution less than or equal to 1 nm, using a direct height measurement system with automatic calibration.

Requirement no.	Requirement description
R-2000-035	The non-contact optical profiler system shall demonstrate a step height measurement uncertainty less than 0.75% (1 sigma) of the measured step height.
R-2000-040	The non-contact optical profiler system shall demonstrate repeatability of the step height measurement better than 0.1% (1 sigma) of the measured step height.
R-2000-045	The non-contact optical profiler system shall include an automatic or continuous internal laser reference to ensure the best achievable accuracy and reproducibility.
R-2000-050	The non-contact optical profiler system shall provide real-time part viewing during positioning, focusing, and measurement of samples.
R-2000-055	The non-contact optical profiler system shall support white light interferometry and other colours. It shall also include a dual LED configuration (white light and green light) capable of operating in combined or separate mode.

8.1.3 Subject-matter 'extended system requirements'

Requirement no.	Requirement description
R-3000-005	The offered non-contact optical profiler system shall be a new machine. Offers for second-hand machines shall not be taken into account. The system shall measure areal topography in accordance with ISO 25178 using interferometry, as specified in the requirements below. Measurements shall be performed optically, without contact.
R-3000-010	The non-contact optical profiler system shall be equipped with a motorized part stage featuring a mounting table. The X, Y, and Z positions of all axes shall be visible on screen at all times during operation, including during instrument control and measurement procedures.
R-3000-015	The non-contact optical profiler system shall allow the part to be positioned on the stage such that the surface to be measured is facing upward, i.e. the part shall lie flat on the stage during measurement.
R-3000-020	The non-contact optical profiler system shall provide stage travel sufficient to enable measurement of optics with diameters up to at least 300 mm in all lateral directions.
R-3000-025	The non-contact optical profiler system shall provide stage resolution less than 1 micrometre. The resolution of all axes shall be visible on screen at all times.
R-3000-030	The non-contact optical profiler system shall be equipped with multiple objectives to satisfy the conditions set forth in P-8000-050.
R-3000-035	If multiple positions are available on the proposed turret, zoom lenses, and/or filters, those positions shall be motorized manually with indexed positioning to ensure improved accuracy.
R-3000-040	The objectives of the non-contact optical profiler system shall be mounted parfocal. The focal plane of the instrument shall shift less than 10 micrometres along the optical axis when changing magnification.
R-3000-045	The non-contact optical profiler system shall ensure that the lateral central image position shifts no more than 5% when switching objectives during observations.
R-3000-050	The delivered optics of the non-contact optical profiler system shall be free of scratches and digs. During accurate measurements as specified in Requirement R-2000-010, no scratch/dig (S/D) artefacts originating from the profilometer's optics shall be visible in the measurement results.
R-3000-055	The non-contact optical profiler system shall be equipped with a suitable vibration isolation table to ensure compliance with all functional requirements.
R-3000-060	The non-contact optical profiler system shall be equipped with a motorized manual focus and an autofocus function featuring automated surface detection. The autofocus function shall be easily configurable on any type of surface by any operator within five (5) minutes.
R-3000-065	The non-contact optical profiler system shall provide a focusing Z-drive resolution of 0.1 micrometres or less.
R-3000-070	The lowest focus point of the non-contact optical profiler system shall be located at the part stage, enabling accurate measurement of thin samples.
R-3000-075	The non-contact optical profiler system shall be equipped with a tip/tilt mechanism in the objective turret that ensures all objectives reach the same spot when tilted, without requiring additional surface finding.
R-3000-080	The tip/tilt mechanism of the non-contact optical profiler system shall be controllable via a motorized, user-friendly joystick.
R-3000-085	The tip/tilt adjustments of the non-contact optical profiler system shall not disturb the real-time focus on the workpiece, in order to prevent the operator from continuously losing focus of the surface. The adjustments shall also not alter the observation spot on the sample. The operator shall experience tip/tilt functionality without interruption to focus or image position.
R-3000-090	The tip/tilt adjustments of the non-contact optical profiler system shall not disturb the real-time focus on the workpiece, in order to prevent the operator from continuously losing focus of the

Requirement no.	Requirement description
	surface. The adjustments shall also not alter the observation spot on the sample. The operator shall experience tip/tilt functionality without interruption to focus or image position.
R-3000-095	The PC system shall be equipped with a free, usable network port that shall be available for connection to the TNO local network.
R-3000-100	The non-contact optical profiler system shall be equipped with at least one free USB port located at the front side of the machine setup. This port shall be easily accessible to allow operators to work with USB storage devices.

8.1.4 Subject-matter 'software requirements'

Requirement no.	Requirement description
R-4000-005	The light levels of the non-contact optical profiler system shall be adjustable.
R-4000-010	Automatic and optimal light level determination shall be possible by the non-contact optical profiler system.
R-4000-015	In some cases, forced intensity set by the operator during measurements shall be necessary. This option shall therefore be available and optionally selectable in the software of the non-contact optical profiler system.
R-4000-020	It shall be possible to determine the systematic error of each optical combination of objective and zoom objective (and, if necessary, filter) in the non-contact optical profiler system. These "system references" shall be storable and subtractable from each measurement to ensure accurate measurement results.
R-4000-025	Programmable stage motions shall be possible, preferably via text files (e.g., generated in Notepad or equivalent text editors). Therefore, "point-to-point" measurements shall be possible to program in the non-contact optical profiler system.
R-4000-030	Automation shall be able to control X, Y, and Z positions before a measurement. The X, Y, and Z positions shall be storable in the measurement file of the non-contact optical profiler system.
R-4000-035	Automatic file naming and sequence numbering shall be possible in the non-contact optical profiler system.
R-4000-040	The software of the non-contact optical profiler system shall be capable of storing measurement results both manually and automatically.
R-4000-045	The measurement analysis results, stage positions, magnifications, filename, notes, and related data shall be storable in a database file. It shall be possible for the operator to define what shall be stored in the database. The database file shall be readable by a spreadsheet program (e.g., MS Excel).
R-4000-050	The use of workpiece fiducials for automatic measurement position corrections (translations and rotations) of the programmed stage/workpiece coordinates in lateral positions shall be possible in the non-contact optical profiler system.
R-4000-055	The operator shall be capable of selecting different "error handling" modes before starting a measurement automation run. Examples of such modes shall include continue, abort, wait for operator, etc.
R-4000-060	It shall be possible to store and open multiple configuration settings files in the non-contact optical profiler system, so that the settings of different users or measurement tasks can be preserved and reused.
R-4000-065	The software of the non-contact optical profiler system shall be capable of storing and exporting measurement results according to ISO 25178-71 and ISO 25178-72. The software shall be well documented in the supplied user manual(s) of the delivered profilometer.
R-4000-070	Automatic tip/tilt for fringe minimization shall be possible and settable before a measurement, both for single measurements and automated measurement runs. The amount of fringes that shall be used during a measurement shall be controllable and settable by the operator. The setting time shall be less than 5 minutes.
R-4000-075	The software of the non-contact optical profiler system shall be capable of determining surface roughness parameters according to ISO 25178.
R-4000-080	For analysis purposes, the software of the non-contact optical profiler system shall be capable of removing at least the following terms from a measurement: piston, tip/tilt, sphere, curvature, and cylinder. The operator shall be capable of selecting which term to subtract.
R-4000-085	It shall be possible to apply term removal using masking (i.e., via sub-aperture), for example when analysing step heights, in the non-contact optical profiler system.
R-4000-090	For analysis purposes, it shall be possible to mask certain regions of a measurement to obtain sub-aperture(s). Masking using shapes such as crosshair, circle, ellipse, rectangle, and polygon shall be possible in the non-contact optical profiler system.

Requirement no.	Requirement description
R-4000-095	It shall be possible to apply spatial filtering in the non-contact optical profiler system. High-pass and low-pass frequencies shall be settable by the operator to obtain results for specific waviness and roughness spatial wavelength domains. Window functions for FFT analysis shall be available. Filtering shall be in accordance with ISO 25178 and ISO 16610.
R-4000-100	The provided PC system of the non-contact optical profiler system shall run Windows 11.

8.1.5 Subject-matter 'Delivery requirements'

Requirement no.	Requirement description
R-5000-005	During Site Acceptance Testing (SAT), the requirements list shall be checked. The tenderer shall be responsible for setting up and performing the measurements during SAT to demonstrate compliance with the offered specifications using the offered system and the expected deliverables.
R-5000-010	<p>The Tenderer shall include a basic annual maintenance contract, which shall state the reaction times of the supplier (or any third party contracted by the tenderer for maintenance) in case of malfunctioning of the non-contact optical profiler system.</p> <p>TNO requires the following minimum reaction times for maintenance and malfunction:</p> <ul style="list-style-type: none"> - Confirmation of receipt of maintenance or service request or complaint: Within one working day - Service request – Machine down – within warranty: Next day at site - Service request – Machine down – after warranty: Within 2 days at site - Service request – Limited machine use – within warranty: Within 2 days at site - Service request – Limited machine use – after warranty: Within 3 days at site - Service request – others: Within 5 days at site - Maintenance appointment made after request: Within 3 weeks - Response on complaint: Within 3 days* <p>*Within office hours and regular workdays.</p>
R-5000-015	Spare parts for the non-contact optical profiler system shall be available for at least 10 years after completion of the Site Acceptance Test (SAT).
R-5000-020	<p>The Tenderer shall propose a training program for the machine operators, covering at least the following topics:</p> <ul style="list-style-type: none"> - start-up of the machine, - usage of the software, - setting up and performing calibration tasks, - setting up a measurement, - performing measurements, - evaluating measurements, and - reporting.
R-5000-025	After Site Acceptance Testing (SAT), the tenderer shall offer available software upgrades and updates for the machine and its offline versions for a period of at least five (5) years.
R-5000-030	All members of the tenderer's staff who are responsible for the performance of the contract shall have an adequate command of written and spoken English (B2 level in English). All correspondence shall be conducted in English or Dutch.
R-5000-035	All activities conducted by the tenderer for TNO shall be performed by, or under the direct supervision of, qualified employees who hold all necessary certificates for the work in question.

8.1.6 Subject-matter 'Contractual aspects'

Requirement no.	Requirement description
R-6000-005	<p>Critical design review (CDR)</p> <p>The objective of the CDR is to confirm that the equipment and all deliverables satisfies the requirements. It establishes the compatibility of external & internal interfaces and the compliance of the design with contractual requirements (predicted and/or measured). The successful completion of the CDR permits the Supplier to start the manufacturing of the system.</p> <p>The CDR will contain the following details:</p> <ul style="list-style-type: none"> - Physical dimensions of the system and system components. - External and internal interface location and dimensions of the system. - Showing the design meets the functional and performance requirements. <p>The acceptance of the CDR shall be achieved using a written document, to be signed by both parties.</p>

Requirement no.	Requirement description
	<p>In the event that the CDR fails to meet the requirements, the supplier or TNO must set out such failure in a written statement, to be signed by both parties. The supplier must then provide TNO with corrective action plan within fourteen (14) calendar days from the date of signing. The supplier must remedy these deficiencies at no additional cost within the timeframe set out in the corrective action plan, but not exceeding 1 month.</p>
R-6000-010	<p>Site Acceptance Test (SAT) The SAT contains the following checkpoints:</p> <ul style="list-style-type: none"> - The cryostat will be checked for damages; - The proper functioning of the equipment will be checked; <ul style="list-style-type: none"> o Mechanical functions, o Electrical safety- and switching functions, o Gas safety and functions, o Vacuum functionality, o Cryogenic functionality, o User interface(s), including software. - All requirements (such as requirements R-0000-025, R-1000-005, R-1000-10, R-1300-10, etc.) and possible additional requirements will be checked; - The presence and quality of the documentation will be checked <p>A full user acceptance test on-site of the contracted tenderer must be performed by the Tenderer in cooperation with TNO.</p> <p>Following approved user acceptance test on-site, the cryostat shall be at the unrestricted disposal of TNO for one month. If the cryostat works according to TNO's functional and technical specifications, without faults and/or malfunctions during operational mode, the test period is considered successfully concluded by TNO. If the cryostat is not operating in this period according to TNO's functional and technical specifications, the faults and/or malfunctions will be remedied and another test period of one month must successfully be concluded and approved by TNO, up to a maximum of three test periods of one month each.</p> <p>The details of the site acceptance test shall be agreed between the user and the supplier. Tenderer must submit a draft test protocol for the site acceptance test with its Tender.</p> <p>In the event that the deliverables fail to meet the user Acceptance Criteria for the SAT, the Supplier must set out such failures in a written statement, to be signed by both parties. The supplier must then provide TNO with a corrective action plan for such failures within fourteen (14) calendar days from the date of signing of such statement. The supplier must remedy these deficiencies at no additional cost within the timeframe set out in the corrective action plan, but not exceeding 3 months. A new acceptance test will then take place.</p>
R-6000-015	<p>Terms and conditions of payment</p> <ul style="list-style-type: none"> - 20% at order, after receipt of a bank guarantee covering 40% of the total amount. - 20% after the critical design review (CDR) acceptance by TNO (R-6000-005). - 40% after delivery at location TNO Delft, STW At this moment TNO will return the bank guarantee. - 20% after installation and commissioning On-site and Site Acceptance Test (SAT) including test periods, approved by TNO, Management Quantum Technology and Procurement. <p>The Tenderer to whom the Contract will be awarded must provide a bank guarantee to TNO, covering at least 40% of the total price. The Bank guarantee and the bank who issues the Bank guarantee have to be approved by TNO (minimal A rating). TNO must have the right to draw the bank guarantee in any and all cases where Tenderer falls short in fulfilling its obligations under the Contract. The validity of the bank guarantee may not expire until approval of the SAT by TNO Management and Procurement.</p> <p>Alternatively to a bank guarantee, TNO also accepts a Parent Company Guarantee, in which the parent company agrees to the repayment of the progress payment in the event that tenderer, or wholly owned subsidiary, defaults on the supply of an cryostat, which is the subject of this order.</p>
R-6000-020	<p>When supplying the cryostat, the Tenderer shall provide a Mill Test Certificate (MTC), or similar certificate such that it meets the requirements and obligations to establish the country of origin (further specified in paragraph 5.2.4).</p>
R-6000-025	<p>Maintenance/services Contract, further specified in paragraph 1.5.</p>

Requirement no.	Requirement description
R-6000-030	The Tenderer must have comprehensive maintenance facilities within Europe. These facilities should be equipped to handle all aspects of maintenance, including diagnostics, repairs, and parts replacement. The facilities must be strategically located to ensure quick and efficient service delivery.
R-6000-035	User manual with detailed description of the hardware and software, including any custom made options. Rationale: To provide clear understanding of the system's functionalities, facilitate effective utilization and help with the troubleshooting of the instrument.
R-6000-040	The Contract will be executed through a purchase order, incorporating the Purchasing Conditions for Goods TNO – December 2025, and Incoterms 2020 Delivered Duty Paid (DDP), see paragraph 2.2.18.

8.2 Programme of Preferences

P-8000-005 Max. 30 points	<p>Sample Height Capability</p> <p>TNO seeks proposals where the measurement system can accommodate sample heights of at least 100 mm without requiring additional spacers on the measurement head. However, in some cases, workpieces may be mounted on interfaces, requiring extra height during surface roughness metrology.</p> <p>Tenderer is requested to:</p> <ul style="list-style-type: none"> - Specify what sample heights can be measured. - Describe how these heights are achieved (e.g., without spacers or with additional components).
	<p>The complete response for P-8000-005 must not exceed a maximum of 1 A4 page. Any content beyond this limit will not be considered in the assessment.</p> <p>The Tenderer must provide an answer to each bullet point and follow the exact order in which the bullet points appear (from top to bottom) under this section.</p> <p>Note:</p> <ul style="list-style-type: none"> - Pages must not include any links to external sources. - Pages may include images.
Assessment criteria:	<p>The assessment of this sub-sub-criterion involves considering the extent to which the response is specific, realistic, achievable, effective, complete and consistent. To what extent does the answer align with TNO's situation, the stated preference/question and the PoR.</p> <p>The assessment will be based on the overall impression created by the answers given. The aspects "specific, realistic, achievable, effective, complete and consistent" are not sub-sub-award criteria that are assessed individually.</p> <p>This sub-sub-criterion is rated in absolute terms in accordance with the table as included in Section 6.1.2 with a score between 0% (no/poor answer) and 100% (very good answer).</p>
P-8000-010 Max. 30 points	<p>Systematic Error of Optical Column</p> <p>TNO seeks proposals where the measurement system can accommodate sample heights of at least 100 mm without requiring additional spacers on the measurement head. However, in some cases, workpieces may be mounted on interfaces, requiring extra height during surface roughness metrology.</p> <p>Tenderer is requested to:</p> <ul style="list-style-type: none"> - Specify what sample heights can be measured. - Describe how these heights are achieved (e.g., without spacers or with additional components).
	<p>The complete response for P-8000-010 must not exceed a maximum of 1 A4 page. Any content beyond this limit will not be considered in the assessment.</p> <p>The Tenderer must provide an answer to each bullet point and follow the exact order in which the bullet points appear (from top to bottom) under this section.</p>

	<p>Note:</p> <ul style="list-style-type: none"> - Pages must not include any links to external sources. - Pages may include images.
<p>Assessment criteria:</p>	<p>The assessment of this sub-sub-criterion involves considering the extent to which the response is specific, realistic, achievable, effective, complete and consistent. To what extent does the answer align with TNO's situation, the stated preference/question and the PoR.</p> <p>The assessment will be based on the overall impression created by the answers given. The aspects "specific, realistic, achievable, effective, complete and consistent" are not sub-sub-award criteria that are assessed individually.</p> <p>This sub-sub-criterion is rated in absolute terms in accordance with the table as included in Section 6.1.2 with a score between 0% (no/poor answer) and 100% (very good answer).</p>
<p>P-8000-015 Max. 30 points</p>	<p>Lowest Measurable Surface Roughness</p> <p>TNO seeks proposals where surface roughness $S_q \leq 0.1$ nm can be measured for any chosen magnification. This value should be achieved with a maximum of 5× averaging to obtain a single measurement result.</p> <p>Filtering or smoothing is not allowed to reach this value.</p> <p>If more than 5× averaging is required, the Tenderer shall:</p> <ul style="list-style-type: none"> - Specify the number of averages needed. - Indicate the total measurement duration for achieving the stated performance.
	<p>The complete response for P-8000-015 must not exceed a maximum of 1 A4 page. Any content beyond this limit will not be considered in the assessment.</p> <p>The Tenderer must provide an answer to each bullet point and follow the exact order in which the bullet points appear (from top to bottom) under this section.</p> <p>Note:</p> <ul style="list-style-type: none"> - Pages must not include any links to external sources. - Pages may include images.
<p>Assessment criteria:</p>	<p>The assessment of this sub-sub-criterion involves considering the extent to which the response is specific, realistic, achievable, effective, complete and consistent. To what extent does the answer align with TNO's situation, the stated preference/question and the PoR.</p> <p>The assessment will be based on the overall impression created by the answers given. The aspects "specific, realistic, achievable, effective, complete and consistent" are not sub-sub-award criteria that are assessed individually.</p> <p>This sub-sub-criterion is rated in absolute terms in accordance with the table as included in Section 6.1.2 with a score between 0% (no/poor answer) and 100% (very good answer).</p>
<p>P-8000-020 Max. 30 points</p>	<p>Noise Level</p> <p>TNO seeks proposals where surface topography repeatability (noise) is < 0.1 nm RMS for any magnification.</p> <p>Tenderer is requested to:</p> <ul style="list-style-type: none"> - Provide recently established noise repeatability data for the offered machine. - Specify how the measurement was performed, including methodology and conditions.
	<p>The complete response for P-8000-020 must not exceed a maximum of 1 A4 page. Any content beyond this limit will not be considered in the assessment.</p> <p>The Tenderer must provide an answer to each bullet point and follow the exact order in which the bullet points appear (from top to bottom) under this section.</p> <p>Note:</p> <ul style="list-style-type: none"> - Pages must not include any links to external sources.

	<ul style="list-style-type: none"> - Pages may include images.
Assessment criteria:	<p>The assessment of this sub-sub-criterion involves considering the extent to which the response is specific, realistic, achievable, effective, complete and consistent. To what extent does the answer align with TNO's situation, the stated preference/question and the PoR.</p> <p>The assessment will be based on the overall impression created by the answers given. The aspects "specific, realistic, achievable, effective, complete and consistent" are not sub-sub-award criteria that are assessed individually.</p> <p>This sub-sub-criterion is rated in absolute terms in accordance with the table as included in Section 6.1.2 with a score between 0% (no/poor answer) and 100% (very good answer).</p>
P-8000-025 Max. 30 points	<p>VSI Range</p> <p>TNO seeks proposals where the non-contact optical profiler system offers a Vertical Scanning Interferometry (VSI) range of at least 8 mm, measured linearly in one go without stitching.</p> <p>Tenderer is requested to:</p> <ul style="list-style-type: none"> - Submit a description of the VSI scanning range for the proposed system. - Indicate whether the range is achieved without stitching and under what conditions.
	<p>The complete response for P-8000-025 must not exceed a maximum of 1 A4 page. Any content beyond this limit will not be considered in the assessment.</p> <p>The Tenderer must provide an answer to each bullet point and follow the exact order in which the bullet points appear (from top to bottom) under this section.</p> <p>Note:</p> <ul style="list-style-type: none"> - Pages must not include any links to external sources. - Pages may include images.
Assessment criteria:	<p>The assessment of this sub-sub-criterion involves considering the extent to which the response is specific, realistic, achievable, effective, complete and consistent. To what extent does the answer align with TNO's situation, the stated preference/question and the PoR.</p> <p>The assessment will be based on the overall impression created by the answers given. The aspects "specific, realistic, achievable, effective, complete and consistent" are not sub-sub-award criteria that are assessed individually.</p> <p>This sub-sub-criterion is rated in absolute terms in accordance with the table as included in Section 6.1.2 with a score between 0% (no/poor answer) and 100% (very good answer).</p>
P-8000-030 Max. 30 points	<p>Intensity Images</p> <p>TNO seeks proposals where, besides acquisition of PSI and VSI measurements, the non-contact optical profiler system can also acquire real-time intensity images, as this would provide added value.</p>
	<p>The complete response for P-8000-030 must not exceed a maximum of 1 A4 page. Any content beyond this limit will not be considered in the assessment.</p> <p>Note:</p> <ul style="list-style-type: none"> - Pages must not include any links to external sources. - Pages may include images.
Assessment criteria:	<p>The assessment of this sub-sub-criterion involves considering the extent to which the response is specific, realistic, achievable, effective, complete and consistent. To what extent does the answer align with TNO's situation, the stated preference/question and the PoR.</p> <p>The assessment will be based on the overall impression created by the answers given. The aspects "specific, realistic, achievable, effective, complete and consistent" are not sub-sub-award criteria that are assessed individually.</p> <p>This sub-sub-criterion is rated in absolute terms in accordance with the table as included in Section 6.1.2 with a score between 0% (no/poor answer) and 100% (very good answer).</p>

<p>P-8000-035 Max. 30 points</p>	<p>Measuring Layer Thicknesses TNO seeks proposals where the non-contact optical profiler system is capable of measuring transparent layer thicknesses, preferably in the range from 200 nm to at least 100 µm.</p> <p>Tenderer is requested to include:</p> <ul style="list-style-type: none"> - Description of the applied measurement technique. - Measurable layer thickness range.
	<p>The complete response for P-8000-035 must not exceed a maximum of 1 A4 page. Any content beyond this limit will not be considered in the assessment. The Tenderer must provide an answer to each bullet point and follow the exact order in which the bullet points appear (from top to bottom) under this section.</p> <p>Note:</p> <ul style="list-style-type: none"> - Pages must not include any links to external sources. - Pages may include images.
<p>Assessment criteria:</p>	<p>The assessment of this sub-sub-criterion involves considering the extent to which the response is specific, realistic, achievable, effective, complete and consistent. To what extent does the answer align with TNO's situation, the stated preference/question and the PoR.</p> <p>The assessment will be based on the overall impression created by the answers given. The aspects "specific, realistic, achievable, effective, complete and consistent" are not sub-sub-award criteria that are assessed individually.</p> <p>This sub-sub-criterion is rated in absolute terms in accordance with the table as included in Section 6.1.2 with a score between 0% (no/poor answer) and 100% (very good answer).</p>
<p>P-8000-040 Max. 30 points</p>	<p>Machine and Workpiece Coordinates TNO seeks proposals where the stages have a machine reference point on each axis (X, Y, Z). The operator should be able to work in machine coordinates or workpiece coordinates, with definable origins, enabling allocation of measurement points across the full machine envelope.</p>
	<p>The complete response for P-8000-040 must not exceed a maximum of 1 A4 page. Any content beyond this limit will not be considered in the assessment. The Tenderer must provide an answer to each bullet point and follow the exact order in which the bullet points appear (from top to bottom) under this section.</p> <p>Note:</p> <ul style="list-style-type: none"> - Pages must not include any links to external sources. - Pages may include images.
<p>Assessment criteria:</p>	<p>The assessment of this sub-sub-criterion involves considering the extent to which the response is specific, realistic, achievable, effective, complete and consistent. To what extent does the answer align with TNO's situation, the stated preference/question and the PoR.</p> <p>The assessment will be based on the overall impression created by the answers given. The aspects "specific, realistic, achievable, effective, complete and consistent" are not sub-sub-award criteria that are assessed individually.</p> <p>This sub-sub-criterion is rated in absolute terms in accordance with the table as included in Section 6.1.2 with a score between 0% (no/poor answer) and 100% (very good answer).</p>
<p>P-8000-045 Max. 30 points</p>	<p>Magnifications TNO seeks proposals where the non-contact optical profiler system supports multiple magnifications to measure Power Spectral Density (PSD) over large spatial domains.</p> <p>Tenderer shall propose:</p> <ul style="list-style-type: none"> - Objectives, field-of-view multipliers, and camera resolutions required to measure PSD for surfaces with RMS roughness < 0.1 nm in the spatial wavelength domain of 2.5 mm to 0.001 mm (max field of view > 5 mm) ("full domain").

	<ul style="list-style-type: none"> - Optical resolution preferably better than 0.4 μm (Sparrow criterion).
	<p>The complete response for P-8000-045 must not exceed a maximum of 1 A4 page Any content beyond this limit will not be considered in the assessment.</p> <p>The Tenderer must provide an answer to each bullet point and follow the exact order in which the bullet points appear (from top to bottom) under this section.</p> <p>Note:</p> <ul style="list-style-type: none"> - Pages must not include any links to external sources. - Pages may include images.
Assessment criteria:	<p>The assessment of this sub-sub-criterion involves considering the extent to which the response is specific, realistic, achievable, effective, complete and consistent. To what extent does the answer align with TNO's situation, the stated preference/question and the PoR.</p> <p>The assessment will be based on the overall impression created by the answers given. The aspects "specific, realistic, achievable, effective, complete and consistent" are not sub-sub-award criteria that are assessed individually.</p> <p>This sub-sub-criterion is rated in absolute terms in accordance with the table as included in Section 6.1.2 with a score between 0% (no/poor answer) and 100% (very good answer).</p>
P-8000-050 Max. 30 points	<p>High Spatial Resolution</p> <p>TNO seeks proposals where the system achieves best lateral resolution, preferably better than 200 nm, on a reference sample.</p> <p>Tenderer shall describe:</p> <ul style="list-style-type: none"> - How spatial resolution is defined and measured. - The achievable lateral resolution.
	<p>The complete response for P-8000-050 must not exceed a maximum of 1 A4 page. Any content beyond this limit will not be considered in the assessment.</p> <p>The Tenderer must provide an answer to each bullet point and follow the exact order in which the bullet points appear (from top to bottom) under this section.</p> <p>Note:</p> <ul style="list-style-type: none"> - Pages must not include any links to external sources. - Pages may include images.
Assessment criteria:	<p>The assessment of this sub-sub-criterion involves considering the extent to which the response is specific, realistic, achievable, effective, complete and consistent. To what extent does the answer align with TNO's situation, the stated preference/question and the PoR.</p> <p>The assessment will be based on the overall impression created by the answers given. The aspects "specific, realistic, achievable, effective, complete and consistent" are not sub-sub-award criteria that are assessed individually.</p> <p>This sub-sub-criterion is rated in absolute terms in accordance with the table as included in Section 6.1.2 with a score between 0% (no/poor answer) and 100% (very good answer).</p>
P-8000-055 Max. 30 points	<p>Z-Drive Range</p> <p>TNO seeks proposals where the Z-drive range exceeds the maximum sample height of at least 75 mm.</p> <p>Remark: Occasionally TNO gets samples that have higher interfaces or special optics requiring >75 mm height for focussing.</p> <p>Tenderer shall include:</p> <ul style="list-style-type: none"> - Maximum achievable height. - Technology used for extended range. - Whether control is manual or electronic.

	<p>The complete response for P-8000-055 must not exceed a maximum of 1 A4 page. Any content beyond this limit will not be considered in the assessment.</p> <p>The Tenderer must provide an answer to each bullet point and follow the exact order in which the bullet points appear (from top to bottom) under this section.</p> <p>Note:</p> <ul style="list-style-type: none"> - Pages must not include any links to external sources. - Pages may include images.
Assessment criteria:	<p>The assessment of this sub-sub-criterion involves considering the extent to which the response is specific, realistic, achievable, effective, complete and consistent. To what extent does the answer align with TNO's situation, the stated preference/question and the PoR.</p> <p>The assessment will be based on the overall impression created by the answers given. The aspects "specific, realistic, achievable, effective, complete and consistent" are not sub-sub-award criteria that are assessed individually.</p> <p>This sub-sub-criterion is rated in absolute terms in accordance with the table as included in Section 6.1.2 with a score between 0% (no/poor answer) and 100% (very good answer).</p>

P-8000-060 Max. 30 points	<p>No Blocking</p> <p>TNO seeks proposals where no handles, emergency buttons, or hardware block the line of sight between sample and operator during setup.</p> <p>Tenderer shall provide a photo of the setup, showing operator position and machine controls during setup.</p>
	<p>The complete response for P-8000-060 must not exceed a maximum of 1 A4 page. Any content beyond this limit will not be considered in the assessment.</p> <p>The Tenderer must provide an answer to each bullet point and follow the exact order in which the bullet points appear (from top to bottom) under this section.</p> <p>Note:</p> <ul style="list-style-type: none"> - Pages must not include any links to external sources. - Pages may include images.
Assessment criteria:	<p>The assessment of this sub-sub-criterion involves considering the extent to which the response is specific, realistic, achievable, effective, complete and consistent. To what extent does the answer align with TNO's situation, the stated preference/question and the PoR.</p> <p>The assessment will be based on the overall impression created by the answers given. The aspects "specific, realistic, achievable, effective, complete and consistent" are not sub-sub-award criteria that are assessed individually.</p> <p>This sub-sub-criterion is rated in absolute terms in accordance with the table as included in Section 6.1.2 with a score between 0% (no/poor answer) and 100% (very good answer).</p>

P-8000-065 Max. 30 points	<p>Sample Table and Loading</p> <p>TNO seeks proposals where the sample table:</p> <ul style="list-style-type: none"> - Is large enough for stable placement of workpieces. - Includes threaded holes for mounting. - Can traverse forward for easy loading of heavy workpieces. <p>Tenderers shall include:</p> <ul style="list-style-type: none"> - Technical drawing of table, including positions and size of threaded holes. - Description/indication of loading position, also with respect to position of turret/objectives and protective covers.
	<p>The complete response for P-8000-065 must not exceed a maximum of 1 A4 page. Any</p>

	<p>content beyond this limit will not be considered in the assessment. The Tenderer must provide an answer to each bullet point and follow the exact order in which the bullet points appear (from top to bottom) under this section.</p> <p>Note:</p> <ul style="list-style-type: none"> - Pages must not include any links to external sources. - Pages may include images.
Assessment criteria:	<p>The assessment of this sub-sub-criterion involves considering the extent to which the response is specific, realistic, achievable, effective, complete and consistent. To what extent does the answer align with TNO's situation, the stated preference/question and the PoR.</p> <p>The assessment will be based on the overall impression created by the answers given. The aspects "specific, realistic, achievable, effective, complete and consistent" are not sub-sub-award criteria that are assessed individually.</p> <p>This sub-sub-criterion is rated in absolute terms in accordance with the table as included in Section 6.1.2 with a score between 0% (no/poor answer) and 100% (very good answer).</p>

P-8000-070 Max. 30 points	<p>Joystick TNO seeks proposals where the non-contact optical profiler system is equipped with a joystick for control of the profilometer's axes too.</p> <p>Tenderer shall comment on joystick functionality and motorized manual software control.</p>
	<p>The complete response for P-8000-070 must not exceed a maximum of 1 A4 page. Any content beyond this limit will not be considered in the assessment. The Tenderer must provide an answer to each bullet point and follow the exact order in which the bullet points appear (from top to bottom) under this section.</p> <p>Note:</p> <ul style="list-style-type: none"> - Pages must not include any links to external sources. - Pages may include images.
Assessment criteria:	<p>The assessment of this sub-sub-criterion involves considering the extent to which the response is specific, realistic, achievable, effective, complete and consistent. To what extent does the answer align with TNO's situation, the stated preference/question and the PoR.</p> <p>The assessment will be based on the overall impression created by the answers given. The aspects "specific, realistic, achievable, effective, complete and consistent" are not sub-sub-award criteria that are assessed individually.</p> <p>This sub-sub-criterion is rated in absolute terms in accordance with the table as included in Section 6.1.2 with a score between 0% (no/poor answer) and 100% (very good answer).</p>

P-8000-075 Max. 30 points	<p>System Reference and Repeatability TNO seeks proposals where the system reference is easily determinable. Furthermore, repeatability of the system reference is preferred over longer periods of time and not per measurement. This means that changing objectives, field multipliers and/or filters, will not change the previously determined reference error by more than 0,2 nm (standard deviation).</p> <p>Tenderer shall describe:</p> <ul style="list-style-type: none"> - How the system reference is determined. - Evidence of repeatability over time, e.g. 2-4 weeks.
	<p>The complete response for P-8000-075 must not exceed a maximum of 1 A4 page. Any content beyond this limit will not be considered in the assessment. The Tenderer must provide an answer to each bullet point and follow the exact order in which the bullet points appear (from top to bottom) under this section.</p>

	Note: <ul style="list-style-type: none"> - Pages must not include any links to external sources. - Pages may include images.
Assessment criteria:	The assessment of this sub-sub-criterion involves considering the extent to which the response is specific, realistic, achievable, effective, complete and consistent. To what extent does the answer align with TNO's situation, the stated preference/question and the PoR. The assessment will be based on the overall impression created by the answers given. The aspects "specific, realistic, achievable, effective, complete and consistent" are not sub-sub-award criteria that are assessed individually. This sub-sub-criterion is rated in absolute terms in accordance with the table as included in Section 6.1.2 with a score between 0% (no/poor answer) and 100% (very good answer).

P-8000-080 Max. 30 points	Automation TNO seeks proposals where the software and non-contact optical profiler system should have automation capabilities, which are easy to set by the operator. Tenderer shall indicate how easy automation routines can be set up and give a short overview of the best automation capabilities expected for (freeform) optics surfaces. Please include the following items: <ul style="list-style-type: none"> - Different operator levels; - Creating and using different configuration files for different metrology tasks; - Use of proposed magnifications (on basis of P-8000-045 for PSD determination); - Ease of setting up automation routines; - Use of scripting (e.g. Python) to generate routines; - Available automation routines for (strongly curved) freeform surfaces.
	The complete response for P-8000-080 must not exceed a maximum of 1 A4 page. Any content beyond this limit will not be considered in the assessment. The Tenderer must provide an answer to each bullet point and follow the exact order in which the bullet points appear (from top to bottom) under this section. Note: <ul style="list-style-type: none"> - Pages must not include any links to external sources. - Pages may include images.
Assessment criteria:	The assessment of this sub-sub-criterion involves considering the extent to which the response is specific, realistic, achievable, effective, complete and consistent. To what extent does the answer align with TNO's situation, the stated preference/question and the PoR. The assessment will be based on the overall impression created by the answers given. The aspects "specific, realistic, achievable, effective, complete and consistent" are not sub-sub-award criteria that are assessed individually. This sub-sub-criterion is rated in absolute terms in accordance with the table as included in Section 6.1.2 with a score between 0% (no/poor answer) and 100% (very good answer).

P-8000-085 Max. 30 points	Motif Parameters TNO seeks proposals where the software can determine motif parameters according to ISO 12085.
	The complete response for P-8000-085 must not exceed a maximum of 1 A4 page. Any content beyond this limit will not be considered in the assessment. Note: <ul style="list-style-type: none"> - Pages must not include any links to external sources. - Pages may include images.

Assessment criteria:	<p>The assessment of this sub-sub-criterion involves considering the extent to which the response is specific, realistic, achievable, effective, complete and consistent. To what extent does the answer align with TNO's situation, the stated preference/question and the PoR.</p> <p>The assessment will be based on the overall impression created by the answers given. The aspects "specific, realistic, achievable, effective, complete and consistent" are not sub-sub-award criteria that are assessed individually.</p> <p>This sub-sub-criterion is rated in absolute terms in accordance with the table as included in Section 6.1.2 with a score between 0% (no/poor answer) and 100% (very good answer).</p>
P-8000-090 Max. 30 points	<p>Radius of Curvature</p> <p>TNO seeks proposals where the software calculates and displays fitted radius/radii when removing terms.</p> <p>Tenderer shall describe shape-fitting capabilities for different measurement modes.</p>
	<p>The complete response for P-8000-090 must not exceed a maximum of 1 A4 page. Any content beyond this limit will not be considered in the assessment.</p> <p>Note:</p> <ul style="list-style-type: none"> - Pages must not include any links to external sources. - Pages may include images.
Assessment criteria:	<p>The assessment of this sub-sub-criterion involves considering the extent to which the response is specific, realistic, achievable, effective, complete and consistent. To what extent does the answer align with TNO's situation, the stated preference/question and the PoR.</p> <p>The assessment will be based on the overall impression created by the answers given. The aspects "specific, realistic, achievable, effective, complete and consistent" are not sub-sub-award criteria that are assessed individually.</p> <p>This sub-sub-criterion is rated in absolute terms in accordance with the table as included in Section 6.1.2 with a score between 0% (no/poor answer) and 100% (very good answer).</p>
P-8000-095 Max. 30 points	<p>Stitching</p> <p>TNO seeks proposals where the operator can select stitching as an optional measurement acquisition. Therefore the non-contact optical profiler system should be capable of performing stitching measurements too. Tenderer shall describe the current stitching capabilities and address the uncertainty of the stitching. Stitched data shall be analysable as other measurement data. I.e. the stitched data set can be stored as a standard metrology file.</p>
	<p>The complete response for P-8000-095 must not exceed a maximum of 1 A4 page. Any content beyond this limit will not be considered in the assessment.</p> <p>The Tenderer must provide an answer to each bullet point and follow the exact order in which the bullet points appear (from top to bottom) under this section.</p> <p>Note:</p> <ul style="list-style-type: none"> - Pages must not include any links to external sources. - Pages may include images.
Assessment criteria:	<p>The assessment of this sub-sub-criterion involves considering the extent to which the response is specific, realistic, achievable, effective, complete and consistent. To what extent does the answer align with TNO's situation, the stated preference/question and the PoR.</p> <p>The assessment will be based on the overall impression created by the answers given. The aspects "specific, realistic, achievable, effective, complete and consistent" are not sub-sub-award criteria that are assessed individually.</p> <p>This sub-sub-criterion is rated in absolute terms in accordance with the table as included in Section 6.1.2 with a score between 0% (no/poor answer) and 100% (very good answer).</p>

P-8000-100 Max. 30 points	1D-PSD TNO seeks proposals where the software should be capable of calculating the 1D-PSD result of a measurement (file). 1D-PSD shall be calculatable as radial PSD and as cartesian PSD. The 1D-PSD has units m3 or similar, e.g. mm*nm2 or μm3.
	The complete response for P-8000-100 must not exceed a maximum of 1 A4 page. Any content beyond this limit will not be considered in the assessment. Note: <ul style="list-style-type: none"> - Pages must not include any links to external sources. - Pages may include images.
Assessment criteria:	The assessment of this sub-sub-criterion involves considering the extent to which the response is specific, realistic, achievable, effective, complete and consistent. To what extent does the answer align with TNO's situation, the stated preference/question and the PoR. The assessment will be based on the overall impression created by the answers given. The aspects "specific, realistic, achievable, effective, complete and consistent" are not sub-sub-award criteria that are assessed individually. This sub-sub-criterion is rated in absolute terms in accordance with the table as included in Section 6.1.2 with a score between 0% (no/poor answer) and 100% (very good answer).
P-8000-105 Max. 30 points	2D-PSD TNO seeks proposals where the software should be capable of calculating 2D-PSD according to the K-correlation (or ABC) model for surface PSD of real surfaces, see e.g. [Dittman 2006]. The 2D-PSD is requested since sub-aperture polishing techniques will in general not yield isotropic, fractal, surfaces. The 2D-PSD result has units m4 or similar, e.g. mm2*nm2 or μm4. Using the software's 2D-PSD evaluation it should be possible to determine the surface's RMS value for given spatial bandwidths.
	The complete response for P-8000-105 must not exceed a maximum of 1 A4 page. Any content beyond this limit will not be considered in the assessment. Note: <ul style="list-style-type: none"> - Pages must not include any links to external sources. - Pages may include images.
Assessment criteria:	The assessment of this sub-sub-criterion involves considering the extent to which the response is specific, realistic, achievable, effective, complete and consistent. To what extent does the answer align with TNO's situation, the stated preference/question and the PoR. The assessment will be based on the overall impression created by the answers given. The aspects "specific, realistic, achievable, effective, complete and consistent" are not sub-sub-award criteria that are assessed individually. This sub-sub-criterion is rated in absolute terms in accordance with the table as included in Section 6.1.2 with a score between 0% (no/poor answer) and 100% (very good answer).
P-8000-110 Max. 30 points	PSD Export TNO seeks proposals where PSD data can be exported to common spreadsheet formats (e.g., Excel).
	The complete response for P-8000-110 must not exceed a maximum of 1 A4 page. Any content beyond this limit will not be considered in the assessment. Note: <ul style="list-style-type: none"> - Pages must not include any links to external sources. - Pages may include images.

Assessment criteria:	<p>The assessment of this sub-sub-criterion involves considering the extent to which the response is specific, realistic, achievable, effective, complete and consistent. To what extent does the answer align with TNO's situation, the stated preference/question and the PoR.</p> <p>The assessment will be based on the overall impression created by the answers given. The aspects "specific, realistic, achievable, effective, complete and consistent" are not sub-sub-award criteria that are assessed individually.</p> <p>This sub-sub-criterion is rated in absolute terms in accordance with the table as included in Section 6.1.2 with a score between 0% (no/poor answer) and 100% (very good answer).</p>
P-8000-115 Max. 30 points	<p>PSD Fitting</p> <p>TNO seeks proposals where it should be possible to determine the coefficients of the next equation of ISO 10110-8 from the 1D-PSD and/or 2D-PSD analysis.</p> $PSD = \frac{A}{f^B} \text{ for } \frac{1}{D} < f < \frac{1}{C}$ <p>Where f is the spatial frequency of the roughness or waviness, in inverse millimetre (mm-1); B is the power to which the spatial frequency is raised; C and D are the limits of the spatial bandwidth, in millimetres; A is a constant.</p> <p>The operator must be able to adapt the limits of the evaluation range.</p>
	<p>The complete response for P-8000-115 must not exceed a maximum of 1 A4 page. Any content beyond this limit will not be considered in the assessment.</p> <p>Note:</p> <ul style="list-style-type: none"> - Pages must not include any links to external sources. - Pages may include images.
Assessment criteria:	<p>The assessment of this sub-sub-criterion involves considering the extent to which the response is specific, realistic, achievable, effective, complete and consistent. To what extent does the answer align with TNO's situation, the stated preference/question and the PoR.</p> <p>The assessment will be based on the overall impression created by the answers given. The aspects "specific, realistic, achievable, effective, complete and consistent" are not sub-sub-award criteria that are assessed individually.</p> <p>This sub-sub-criterion is rated in absolute terms in accordance with the table as included in Section 6.1.2 with a score between 0% (no/poor answer) and 100% (very good answer).</p>
P-8000-120 Max. 30 points	<p>System Description</p> <p>TNO seeks proposals including a description of the offered non-contact optical profiler system, describing aspects and/or unique selling points (USP) that have not been described/requested yet, but that may be relevant for TNO's freeform optics manufacturing and metrology capabilities. A photo of the proposed setup shall be included.</p>
	<p>The complete response for P-8000-120 must not exceed a maximum of 1 A4 page. Any content beyond this limit will not be considered in the assessment.</p> <p>Note:</p> <ul style="list-style-type: none"> - Pages must not include any links to external sources. - Pages may include images.
Assessment criteria:	<p>The assessment of this sub-sub-criterion involves considering the extent to which the response is specific, realistic, achievable, effective, complete and consistent. To what extent does the answer align with TNO's situation, the stated preference/question and the PoR.</p>

	<p>The assessment will be based on the overall impression created by the answers given. The aspects "specific, realistic, achievable, effective, complete and consistent" are not sub-sub-award criteria that are assessed individually.</p> <p>This sub-sub-criterion is rated in absolute terms in accordance with the table as included in Section 6.1.2 with a score between 0% (no/poor answer) and 100% (very good answer).</p>
<p>P-8000-125 Max. 30 points</p>	<p>Software Licenses TNO seeks proposals indicating pricing for offline software versions, so measurement evaluations (analyses) and reporting can be run off-line. It is expected that approximately eight persons will be using the software for evaluations and reporting. Off-line versions shall preferably be available as freeware. Other options can be the use of USB (license) dongles or a network license for a certain amount of people. The latter requires extensive discussions with TNO's IT department.</p>
	<p>The complete response for P-8000-125 must not exceed a maximum of 1 A4 page. Any content beyond this limit will not be considered in the assessment.</p> <p>Note:</p> <ul style="list-style-type: none"> - Pages must not include any links to external sources. - Pages may include images.
<p>Assessment criteria:</p>	<p>The assessment of this sub-sub-criterion involves considering the extent to which the response is specific, realistic, achievable, effective, complete and consistent. To what extent does the answer align with TNO's situation, the stated preference/question and the PoR.</p> <p>The assessment will be based on the overall impression created by the answers given. The aspects "specific, realistic, achievable, effective, complete and consistent" are not sub-sub-award criteria that are assessed individually.</p> <p>This sub-sub-criterion is rated in absolute terms in accordance with the table as included in Section 6.1.2 with a score between 0% (no/poor answer) and 100% (very good answer).</p>
<p>P-8000-130 Max.20 points</p>	<p>Delivery time TNO seeks proposals where delivery time is preferably less than 6 months.</p> <p>Tenderer shall state the fastest guaranteed delivery time without extra cost.</p>
	<p>The complete response for P-8000-130 must not exceed a maximum of 1 A4 page. Any content beyond this limit will not be considered in the assessment.</p> <p>Note:</p> <ul style="list-style-type: none"> - Failure to meet the proposed delivery time will result in a penalty discount of 20%, which shall be immediately due and payable, and eligible for setoff. This provision will supersede clause 8.4 of the Purchasing Conditions for Goods, December 2025.
<p>Assessment criteria:</p>	<p>The assessment of this sub-sub-criterion involves considering the extent to which the response is specific, realistic, achievable, effective, complete and consistent. To what extent does the answer align with TNO's situation, the stated preference/question and the PoR.</p> <p>The assessment will be based on the overall impression created by the answers given. The aspects "specific, realistic, achievable, effective, complete and consistent" are not sub-sub-award criteria that are assessed individually.</p> <p>This sub-sub-criterion is rated in absolute terms in accordance with the table as included in Section 6.1.2 with a score between 0% (no/poor answer) and 100% (very good answer).</p>
<p>P-8000-135 Max.30 points</p>	<p>Re use of our own currently used objectives TNO seeks proposals in reusing the objectives currently used on a Veeco non-contact optical profiler system. The following Objectives are currently in use:</p> <ul style="list-style-type: none"> - 2.5X Interferometric Objective, 3.48mm Working Distance CX-O2.5X20%

	<ul style="list-style-type: none"> - 10X Interferometric Objective, 7.4mm Working Distance CX-O10X - 20X Interferometric Objective, 4.7mm Working Distance CX-O20X - 50X Interferometric Objective, 3.4mm Working Distance CX-O50X <p>Tenderer shall describe how to reuse these objectives in the new system. And possible consequences on performance.</p>
	<p>The complete response for P-8000-135 must not exceed a maximum of 1 A4 page. Any content beyond this limit will not be considered in the assessment.</p> <p>Note:</p> <ul style="list-style-type: none"> - Pages must not include any links to external sources. - Pages may include images.
<p>Assessment criteria:</p>	<p>The assessment of this sub-sub-criterion involves considering the extent to which the response is specific, realistic, achievable, effective, complete and consistent. To what extent does the answer align with TNO's situation, the stated preference/question and the PoR.</p> <p>The assessment will be based on the overall impression created by the answers given. The aspects "specific, realistic, achievable, effective, complete and consistent" are not sub-sub-award criteria that are assessed individually.</p> <p>This sub-sub-criterion is rated in absolute terms in accordance with the table as included in Section 6.1.2 with a score between 0% (no/poor answer) and 100% (very good answer).</p>

9 List of Annexes

All the Annexes appended to the Procurement Documents are published with the Procurement Guide at www.TenderNed.nl.

The Annexes are divided into three (3) main groups, namely:

A) Submission of Tender:

- Annex A01** The Tenderer's ESPD, "European Single Procurement Document" (ESPD)
 - *If applicable, this format should be multiplied in proportion to the number individual Combination members; the individual Third Party or for the benefit of one or more subcontractors to be used for the work).*
- Annex A02** Format for Reference Projects
- Annex A03** Format for Price Sheet
- Annex A04** Answer to questions/compliance with preferences, sub-award criterion: Quality

B) Submission of supporting documents:

- Annex B01** Format for Declaration as to Reliance on Financial and Economic Standing of Third Party or Parties
- Annex B02** Format for Declaration as to Reliance on Technical and Professional Competence of Third Party or Parties
- Annex B03** Format for Statement of Policy/Declaration as to Insurance

C) Additional information:

- Annex C01** Standard Template for Tenderer Questions
- Annex C02** Draft Contract
- Annex C03** TNO's General Purchasing Conditions, December 2025.
- Annex C04** TNO Supplier Code of Conduct

Additional note on Section 2.2.2 Formats

Some of these Annexes are accessible in "editable" MS Excel or MS Word versions. This is with the aim of simplifying the preparation of a Tender by the Tenderer and therefore also forms the basis for the assessment procedure as described in Section 3.

Some documents may be, partially, secured to prevent inadvertent and unintentional changes being made to the documents and texts (including format texts).

Changes to the formats are not permitted. The premise for these documents is that the text (including format text) as contained in the Procurement Guide and published on www.TenderNed.nl will be the authoritative text at all times.