

Ref. nr.	Onderwerp	Vraag/ Question	Antwoord/ Answer
1	specificaties	What is meant by "channel spacing" does this mean "spatial sampling"?	Yes
2	gauge length	Does a gauge length of 3m with a spacial sampling of 0.5m over 15km also fall within the scope/specifications?	No
3	channel length	Is an adjustable channel length up to 32m instead of 100m also acceptable?	Yes
4	opties	We may have multiple systems that meet the specifications, may multiple options be offered? And if so how can we indicate this in the relevant forms (e.g. double fill or add extra lines?)	It is not possible to offer multiple options of systems; you must offer only one type of system.
5	local alerts	What is meant by 'local alerts', is this based on the outcomes of the algorithms applied by client or should these be provided by contractor? What form/features should the 'alert' have (or what are the requirements for the alert).	The system should be able to provide a place where local algorithms can be placed that are applied to the incoming data. The moment the outcome of an algorithm exceeds a value an alert should be generated. Algorithms are provided by OG (ProRail). Alert is shaped by OG.
6	Annex 1 - Vraagspecificatie FOAS 2024 Interrogator.pdf	Page 9: Can client explain what she means by "Flat frequency response including to DC (0 Hz)"?	This means that the data from the interrogator has no (low-frequency) noise.
7	Annex 1 - Vraagspecificatie FOAS 2024 Interrogator	Is the requested 100km of route to be measured contiguous, or can the measuring equipment be set up centrally splitting the route?Is the requested 100km of route to be measured contiguous, or can the measuring equipment be set up centrally splitting the route?	Yes, the measuring equipment may be set up centrally so that the trace can be monitored to both sides.
8	Bijlage 2 - Conceptovereenko mst incl. Inkoopvoorwaarden FOAS 2024 Interrogator - 13-02- 2024- samengevoegd	2.3 c. here it says "guiding the double installation and removal of the interrogator systems." Does this mean twice installing and uninstalling each interrogator, or twice installing and uninstalling both interrogators?	Installing and uninstalling both interrogators twice
9	Art. 9.4 Inkoopvoorwaarden 2017	There is no limitation in Article 30.2 which makes it an unlimited liability and this is contrary to Article 3.9D Guide Proportionality. Candidate proposes to apply the limitation of Article 30.1 also to Article 30.2. Can you agree to this?	ProRail does not agree with your suggested limitation. ProRail proposes the following modification: " <i>The Contractor shall indemnify ProRail against all third party claims that are in any way related to the performance of the Contractor's obligations under the Agreement. This liability is limited to the amount that ProRail would have owed the Contractor if the Agreement had been properly and timely performed unless the damage is covered or can reasonably be covered by insurance taken out by the Contractor at a higher amount or if the damage could have been covered by such insurance pursuant to the Agreement. This limitation does not apply if the damage is due to intent or gross negligence on the part of the Contractor, his personnel or independent assisting persons engaged by him.</i> "
10	Art. 9.4 Inkoopvoorwaarden 2017	Article 30.1 contains the provision that the Contractor is liable for damages as high as it is covered or can reasonably be covered by insurance taken out by the Contractor. This is a disguised unlimited liability and this violates Article 3.9D Guide Proportionality. The Candidate proposes to delete the following provision from Article 30.1: "unless the damage is covered or can reasonably be covered by insurance taken out by the Contractor at a higher amount or if, pursuant to the Contract, the damage should have been covered by such insurance." Can you agree to this?	ProRail does not agree with your proposed amendment. Article 30 of the Purchase Conditions does limit the extent of the Contractor's liability. Therefore, the provision does not violate the requirements of the Guide Proportionality.

11	Art. 9.4 Inkoopvoorwaarden 2017	Given the nature and scope of the work, in the experience of the Candidate it is not proportionate to waive the lien. The Candidate proposes to delete Article 9.4. Can you agree to this?	ProRail does not agree with your proposed amendment. ProRail proposes the following amendment: <i>"The railway must continue"; the Contractor explicitly waives its right of retention and is obliged to continue the performance of the Agreement if ProRail judges that the performance of the Agreement directly affects the railway, in case ProRail fails to fulfil (one of) its obligations, unless it has been established by the Parties themselves or it has been established on the basis of a final judgement that the Contractor has a claim against ProRail that is due and that ProRail is wrongfully leaving this claim unpaid."</i>
12	Bijlage 2 - Conceptovereenkomst incl. Inkoopvoorwaarden FOAS 2024 Interrogator - 13-02-2024- samengevoegd	Page 5. contractor assumes, that all repairs, periodic inspections and replacement of parts, will be carried out during working days (Monday to Friday) between 8:00am and 5:00pm. Does this agree?	Agreed. However, if repairs, periodic inspections and component replacements take up the time ProRail would normally spend monitoring the track section, and this period exceeds 10 working days, this additional time will be added to the duration of the contract.
13	Bijlage 2 - Conceptovereenkomst incl. Inkoopvoorwaarden FOAS 2024 Interrogator - 13-02-2024- samengevoegd	Page 4, section 2.3, option d. should this optional support be offered Separately?	If this option is taken, the contractor will be asked to make a separate proposal at that time. So, when completing the tender form (Attachment 3), do not quote 'option d'.
14	Bijlage 2 - Conceptovereenkomst incl. Inkoopvoorwaarden FOAS 2024 Interrogator - 13-02-2024- samengevoegd	Schedule: How long in advance can we get notice from ProRail for the installation, relocation and removal of a DAS system so that we can plan and prepare for it?	Initial at preliminary award, the locations will be announced. Regarding the move, we observe 4 weeks.
15	Bijlage 2 - Conceptovereenkomst incl. Inkoopvoorwaarden FOAS 2024 Interrogator - 13-02-2024- samengevoegd	"Given the short duration of the Agreement, and the investment to be made by the Candidate, the Candidate does not consider it reasonable to be able to terminate the Agreement at any time in the interim. Candidate proposes that the parties have no option to terminate for the first 12 months. Can you agree to this? "	ProRail proposes the following amendment: "The parties cannot terminate the Agreement in the interim, unless a situation as described in Article 29 Purchase Conditions unfolded. If ProRail has extended the Agreement, during the period of extension, ProRail may terminate the Agreement on a monthly basis."
16	Art. 2.6 Concept Operational Leaseovereenkomst	It is not reasonable for the Contractor to remain responsible or liable for the functioning of the Product at all times as the installation is done by a Third Party and the Contractor has no influence on this. The Candidate proposes to amend Article 2.6 as follows: The Contractor is responsible and/or liable for the functioning of the Product and the performance of the Agreement provided that the failure of the Product to function is attributable to the Contractor. Can you agree to this?	ProRail is not willing to agree to this. ProRail requires the Contractor to assist the Third Party during installation, removal and relocation so that the Product is properly installed and removed. Consequently, ProRail considers it reasonable that the Contractor shall always remain liable for the functioning of the Product.

17	Annex 1 - Vraagspecificatie FOAS 2024 Interrogator.pdf	Page. 10. Should the system be delivered on site in Amersfoort as indicated in the tender instructions? Or elsewhere?	You should assume delivery at location Amersfoort.
18	AanbestedingsLeidraad v.1.0 - Interrogators 2024	What is the deadline set for the request for clarification?	The response to the VTO must take place within 48 hours (not including weekends and national holidays) of ProRail's request to do so. If the response to the VTO is not clear, the tenderer will be given a further 24 hours to comply fully with the VTO.
19	Annex 1 - Vraagspecificatie FOAS 2024 Interrogator.pdf	Page. 9 - Will consultations be held physically or digitally?	Digital unless otherwise required in coordination with relevant parties
20	Annex 1 - Vraagspecificatie FOAS 2024 Interrogator.pdf	Can client provide OTDR measurements of the sections provided for the DAS monitoring systems?	An OTDR measurement will be performed on (patched) fiber links where we want to monitor. This is the responsibility of ProRail.
21	Annex 1 - Vraagspecificatie FOAS 2024 Interrogator.pdf	Is an internet connection provided by the client for remote management, maintenance and support?	Yes
22	Annex 1 - Vraagspecificatie FOAS 2024 Interrogator.pdf	Are dry, conditioned rooms with 230VAC 16A provided by client for installation of the DAS systems?	Yes
23	Annex 1 - Vraagspecificatie FOAS 2024 Interrogator.pdf	In which environment/space should the equipment be installed?	This will be further announced (upon preliminary award).
24	Annex 1 - Vraagspecificatie FOAS 2024 Interrogator.pdf	Page 10: Can client explain what 'strict test limits' it means?	Strictly means it either meets or does not meet the specifications
25	Annex 1 - Vraagspecificatie FOAS 2024 Interrogator.pdf	Page 10: Can client confirm that any alarm override only needs to be generated locally and not forwarded to client or integrator?	No it should be possible to generate an alert and we want to explore that. Sending it outside is another issue. With the 4G connection to the outside it should also be possible to send a message to the outside. For the trial and adaptation by the end user this is a nice visible result though which we also want to try to set up.
26	Annex 1 - Vraagspecificatie FOAS 2024 Interrogator.pdf	Page 10: How many algorithms does the client expect to apply to the measurement data?	For each use case (6 of them), an algorithm or set of algorithms can be developed to apply to the data.
27	Annex 1 - Vraagspecificatie FOAS 2024 Interrogator.pdf	Page 9: Can the client explain what is meant and what it wishes to achieve by 'Supply of attenuators for terminating the fibre link at the end'?	This requirement will be dropped. This requirement will be requested from the integrator.
28	Annex 1 - Vraagspecificatie FOAS 2024 Interrogator.pdf	Page 9: Can the client clarify what it means by 'channels' as in the sentence 'Capability of 100 km data output, with a minimum of 25,000 channels with a ping rate of 1 kHz, obtained in real time.'?	This refers to the fact that a minimum of 25,000 virtual measurement locations can be provided along the length of the fiber.

29	Annex 1 - Vraagspecificatie FOAS 2024 Interrogator.pdf	Page 9: Does the client have requirements on how time synchronisation takes place?	No as long as the time synchronization is correct and stays correct
30	Annex 1 - Vraagspecificatie FOAS 2024 Interrogator.pdf	Page 9: Can client provide an estimate of the level of support required for specific trials with e.g. edge computing and real-time monitoring?	Support includes at a minimum: - Thinking along and providing feedback on the design of edge computing and real time monitoring - During the execution of the test remote monitoring at a number of moments to see if the test is running well. Here we think of 4 moments (especially in the initial phase of the test)
31	Annex 1 - Vraagspecificatie FOAS 2024 Interrogator.pdf	Page 9: How is it ensured that integrator has sufficient knowledge so that no damage is done to the DAS systems?	Integrator party is contracted experienced ICT / connectivity provider of ProRail. In addition, ON's interrogator user manual must be clear and available. At initial delivery and test is opportunity for specific instruction from ON to integrator.
32	Annex 1 - Vraagspecificatie FOAS 2024 Interrogator.pdf	Page 9: Who is the integrator or how is it determined?	Is a mini-competition within the framework contract of Network Construction of ProRail
33	Annex 1 - Vraagspecificatie FOAS 2024 Interrogator.pdf	Page 8: Can the client explain what it means by "Being able to terminate the fibre at the other end of the fibre link (e.g. an attenuator)" and why it considers this necessary?	This is done for safety reasons. Since laser pulses are continuously "shot" through the fiber optic, the end of the connection must be closed off. This prevents eye damage when opening the relevant ICT cabinet.
34	Annex 1 - Vraagspecificatie FOAS 2024 Interrogator.pdf	Page 8: In addition to delivery, the client also requires management of the system by the candidate. Can the client clarify which activities and obligations belong to Integrator and which to the candidate?	See demand specification Chapter 4
35	Annex 1 - Vraagspecificatie FOAS 2024 Interrogator.pdf	Page 8: Can the client explain why it chooses to lease two DAS systems compared to rent or buy?	Lease and rent are considered functionally the same for the project. Purchase is done only after a comprehensive (positive) review on upcoming pilots and the resulting business case in consultation with affected departments and management.
36	AanbestedingsLeidraad v.1.0 - Interrogators 2024	Page 18 tender guide - can we get a version including the reference to the correct Paragraphs? Now it is referred to "Error! Reference source not found".	The Guideline has been updated including references, see Guideline version 1.1
37	Annex 1 - Vraagspecificatie FOAS 2024 Interrogator	Is it correct that "Annex 1a - RLN00007-V007" is only available in Dutch, and has not been added to the shared documents in English? If so, will another English version be made available?	Annex 1a is provided in Dutch only.
38	Bijlage 2 - Conceptovereenkomst incl. Inkoopvoorwaarden FOAS 2024 Interrogator - 13-02-2024- samengevoegd	"There are some documents on TenderNed, including Annex 2. Lease Agreement, with the text: ""The lease agreement, including purchase conditions (Annex 2) will be shared with you via TenderNed as soon as possible."" However, there are now 2 Lease Agreements on TenderNed. 1 in English and 1 in Dutch. Can we assume that these are the most recent and final documents?"	Yes, you can assume that.
39	AanbestedingsLeidraad v.1.0 - Interrogators 2024	Given that the answer to certain questions sometimes needs additional clarification, we ask whether it would be possible to organise a second Information Note. Is this possible?	No, organising a second round of information is not possible.

40	Annex 1 - Vraagspecificatie FOAS 2024 Interrogator.pdf	Is the equipment freely accessible for installation support and management purposes? If not what certification, permits, etc. are required?	No the access is not free. For some of the buildings, access must be given by the Process Contract Contractor or Asset Management Daily Operations of ProRail. Where necessary, the Contractor (ON) will be accompanied by this person. Certifications and permits are not required.
41	Annex 1 - Vraagspecificatie FOAS 2024 Interrogator.pdf	"The request for tender is limited to supplying the equipment + installation manual. The installation work will be done by the contractor. Is the contractor then responsible for the correctly installed setups and any resulting failures?"	See lease agreement where responsibilities are outlined.
42	Annex 1 - Vraagspecificatie FOAS 2024 Interrogator.pdf	What opportunities does ProRail offer the submitter to unlock asset monitor data for management purposes?	ON accesses the system with remote access
43	Annex 1 - Vraagspecificatie FOAS 2024 Interrogator.pdf	Prorail provides data access. Should the supplier provide a backup/4-5G facility to achieve higher availability?	No
44	Annex 1 - Vraagspecificatie FOAS 2024 Interrogator.pdf	Prorail provides a 230v power supply. Should the supplier provide an up/backup facility to achieve higher availability?	No
45	Annex 1 - Vraagspecificatie FOAS 2024 Interrogator.pdf	In which railway zone will the line-up be located?	In a Relay House or Substation (in a room where the ICT cabinet is located where the fiber optic connection comes out)
46	Annex 1 - Vraagspecificatie FOAS 2024 Interrogator.pdf	Are there any additional quality requirements imposed by ProRail on equipment relocation?	The equipment must be able to be transported during normal movement (in the back of a car / van) without sustaining damage. ON expects measures to be prescribed, both sent digitally in advance, and physically present at the installation, that allow the components of the installation (e.g. the laser lamp itself) to be fixed and packed in such a way that it can be moved without sustaining damage.
47	PROCES	If a conflict arises between Dutch and English in the memorandum of information, which language will prevail?	In case of conflict between the Dutch and English languages, Dutch will prevail.
48	PROCES	Zijn de vragen en antwoorden van de Nota van Inlichtingen ook in het Engels gepubliceerd? Are the questions and answers of the Information Note also published in English?	Ja, zie hiervoor Bijlage 'Nvl Engels 01-03-2024' Yes, see Appendix 'Nvl English 01-03-2024' for this.
49	PROCES	We may have multiple systems that meet the specifications, may multiple options be offered? And if so how can we indicate this in the relevant forms (e.g. double fill or add extra lines?)	It is not possible to offer multiple options of systems; you must offer only one type of system.