

Memorandum of Information version 2.0

European TenderDistribution Automation Light box (DALI-box) Enexis

Nr.	Chapter nr/paragraph/ annex	Question	Answer
1	Annex 1	Zouden we dit document als invulbaar format mogen ontvangen (geen PDF maar bijv. WORD) Translation by Enexis: We would like to receive this document as a fillable format (not PDF but eg. WORD).	Annex 1 will be send - in Word format - seperately with the Mol.
2	Annex 1	This checklist is not included in the set of documents	Annex 1 will be send - in Word format - seperately with the Mol.
3	Annex 1 - 1.1.9	Is it acceptable for mounting holes to be located outside the internal space of a box, but be accessible only after opening the transparent front door?	Yes, this is acceptable.
4	Annex 11	The Demo-assessment will take place on 23 until 25 January 2016 and will last one day per tenderer. Could it be that 2017 is meant instead of 2016?	Demo-assessment will take place from 23 until 25 januari 2017 and wil last one day per tenderer.
5	Annex 11 - 1.	The Demo-assessment will take place on 23 until 25 January 2016. Date is in the past, what is the correct date?	Demo-assessment will take place from 23 until 25 januari 2017 and wil last one day per tenderer.
6	Annex 11 - annex 1	Can Enexis explain in more detail how the user-friendliness is going to be judged to get a better understanding of the specific needs of Enexis?	User-friendiness is going to be judged as specified in annex 11 - annex 1. We do not understand what more detail is needed. Please keep in mind that the demonstrated product should be designed/configured to facilitate a mass roll-out and management of the specified amount of units. This incorporates a userfriendly way of commissioning and management of DALI-boxes, taking into account flexibility in for instance changing settings as specified. Multiple solutions are possible to reach this goal. It is not Enexis' intention to describe one solution.
7	Annex 11 - annex 2	Is the verification of the language skills meant for the sales people who attend the demo-assessment or for the technical support people who are going to execute / support Enexis after awarding of the tender?	The verification of language skills that can be part of the demo-assessment will be based on the specified skilled expert who will perform the hardware and/or software demo.
8	Annex 12	Worden alle requirements uit Annex 12 met een MR (Minimum requirement) behandeld als Knock out criteria? Is het toegestaan om een gelijkwaardig of beter alternatief toe te passen zonder dat dit tot Knock out leidt? Translation by Enexis: Are all the requirements of Annex 12 with an MR (Minimum requirement) treated as Knock out criteria? Is it permissible to use an equivalent or better alternative without this leading to knock out?	All Minimum requirements from annex 12 will be treated as Knock Out criteria. It is accepted to use an equivalent or better alternative as far as specified requirements are being respected. Note however that the verification of alternatives on equivalency is performed by Enexis and incorporates a risk for tenderer. As it is not possible for Enexis to specify in detail what alternatives for what requirements are all accepted.
9	Annex 12 - 1.2.4	Is het toegestaan om een ander gelijkwaardig protocol toe te passen dan de gevraagde SFTP? Translation by Enexis: Is it permissible to use a different equivalent protocol than the requested SFTP?	FTP(S) is the required protocol for file transfer. As explained in footnote *1, there is a preference, but no explicit requirement to use FTPS according to RFC-4217; plain FTP is also allowed.
10	Annex 12 - 1.2.5	Is het toegestaan om een ander gelijkwaardig protocol toe te passen dan de gevraagde SSH? Translation by Enexis: Is it permissible to use a different equivalent protocol than the requested SSH?	A remote terminal option is required. As explained in footnote *1, there is a preference, but no explicit requirement to use SSH; plain telnet is also allowed.
11	Annex 13	Why are the smart metering requirements - based on DLMS / COSEM - included for the DALI?	This applies to the P1 port only. Please also refer to our previous Memorandum of Information (version 1.0), question 18.

12	Annex 13	In what way the data of the P1 port needs to be handled, does this needs to be communicated to the backend (f.i. by 104 protocol) or does some data needs to be interpreted locally in the RTU (f.i. to control street lighting). If the latter is correct can be describe what needs to be done in the RTU or point out where this is described in the tender documents?	Relevant data to be retrieved over P1-port incorporates: consumption counters, actual power flow (one phase) and Tariff-status. a. actual power flow and Tariff status must be made locally available in the RTU. - Power flow to validate the effectiveness of switch-commands for evening/morning and night lights (as swith-commands should result in power differences) by Operator or RTU (in case of RTU: resulting in alarm based on a remotely configurable threshold). - Power flow to identify loss of power (defect street lights) by Operator or RTU (in case of RTU: resulting in alarm based on a remotely configurable threshold). - Tariff-status to dubicate its status to the Tariff-output contact of the DALI-box (alternative for Tariff program). b. consumption counters must be locally stored on a, remotely configurable, fixed time basis (e.g. every 15 minutes or never) on FIFO-basis. Local stored measurement-data must be retrievable over data files (for grid analysis purposes).The memory must be sufficient (and remain available) to store above mentioned measurement-data with timestamp on 5 minute basis during at least one month. In order to be awarded on this Awarding Requirement, this functionality must be present at demo-assessment phase 3.
13	Annex 15	In case of a Consortium, do all the parties need to sign a separate version of Annex 15, leading to multiple different copies of Annex 15 or does only the assigned Lead Party sign Annex 15?	As described in paragraph 4.3 of the IT-document, <u>only</u> the Candidate (lead party) has to sign Annex 15. The names of the consortium partners have to be mentioned in the signed document.
14	Annex 16	In case of Main-/subcontractor(s) the Candidate (Maincontractor) needs to sign Annex 16. But does the Subcontractor not also need to sign this statement? It is the Subcontractor that has to state that its resources are at the disposal of the Candidate. Or is this what the co-signatory is meant for? Please clarify this.	Yes, the Sub-contractor(s) also has/have to sign this document. Please look at page 2 of this Annex. There you can find the possiblity for the Sub-contractor(s) to sign the Annex 16.
15	Annex 16	In case of a Consortium or Main-/subcontractor(s) do all the parties need to sign Annex 16 if part of a holding company or only the Lead Party or Maincontractor?	In case of a Consortium only the lead party has to sign Annex <u>15</u>. In case of Main-/Sub-contractors, the Sub-contractor(s) also has/have to sign Annex <u>16</u>. Please look at page 2 of this Annex. There you can find the possiblity for the Sub-contractor(s) to sign Annex 16.
16	Annex 19	In case of a Consortium or Main-/subcontractor(s) do all the parties need to fill in their ratios and sign Annex 19 or only the Lead Party or Maincontractor?	Only the Lead Party has to fill in and sign Annex 19.
17	Annex 2	In the commissioning process Annex_2 mentions: "When the DALI-RTU now boots, it can connect itself to the commissioning system and identify itself by serial#"... What protocol is being used here? Will the device periodically hit the server so that we can track availability/status info in our inventory?	Enexis does not have any specific requirements for the used protocol(s) during first commisioning, but prefers that the supplier uses open and standardized protocols. After first commisioning Enexis does not expect that the devices will periodically hit the commision server since availability/status tracking is not a required functionality of the commision server.
18	Annex 2 - 1.4	Worden er stroomsensoren conform IEC 60044-8 of stroomtrafo's conform IEC 60044-1 aangesloten op de DALI-Box tbv de stroommeting? Kunnen jullie aangegeven welk type wordt toegepast? Translation by Enexis: Are current sensors connected to the DALI-box according to IEC 60044-8 or IEC 60044-1? Can you indicate which type is used?	Instrument current transformers 1 A or 5 A conform IEC 60044-1 or new norm IEC 61869-2. New norm IEC 61869-2 is used as reference.
19	Annex 2 - 1.4	Are the current transformers, visible on the Figure 2, in the scope of deliveries of the Vendor?	The current transformers are out of scope of delivery by vendor.

20	Annex 2 - 1.6.2	Is the protocol towards the configuration system (provided by tenderer) and management system (provided by tenderer) free to choose as long as it is JSON or 104?	Enexis does not have any specific requirements for the used protocol(s) during first commissioning and for management (the contact between device and commissioning/management server), but prefers that the supplier uses open and standardized protocols. JSON or 104 is only required for the communication with the central OT system (provided by Enexis)
21	Annex 2 - 1.6.2	Is there any document specifying communication between central server and management server?	There is no document specifying communication between the central OT system (provided by Enexis) and the management server (provided by supplier). Settings which would be shared between these platforms can be exchanged via the simple configuration files over the DMZ
22	Annex 2 - 1.6.2	Worden het Serienummer en de QR code die aangebracht moeten worden door Enexis aangeleverd? Translation by Enexis: Are the serial number and the QR code provided by Enexis?	The serial number and QR-code should be provided by vendor. Serial could e.g. be derived from RTU serial.
23	Annex 2 - 2.1	Mag het gevraagde externe mobiele display ook uitgevoerd worden als een app die geïnstalleerd kan worden op een smartphone of tablet? Translation by Enexis: Can the requested external mobile display also be run as an application that can be installed on a smartphone or tablet?	No.
24	Annex 2 - 2.1	Er dienen tekeningen van de gevraagde oplossing aan de aanbieder toegevoegd te worden. Graag nader specificeren wat er van deze tekeningen verwacht wordt. Translation by Enexis: It is necessary to add drawings of the requested solution to the offer. Please specify in more detail what is expected?	Front-, side- and backview drawings and location of components inside the box have to be offered, including the dimensions. Electrical circuit diagrams are for NOT necessary in the tender. Candidates selected for the demo-assessment should deliver electrical circuit diagrams to control and award functionality.
25	Annex 2 - annex 4	What Languages are allowed for the centralised configuration tool?	English or Dutch language
26	Annex 2 - page 18	We presume an error on page 18 ID001: Switch off at sunrise and not sunset. Please confirm.	This remark is correct. Sunset must be sunrise.D13
27	Annex 2 - page 4	Scope: Is it possible to propose a 'DALI Box' in one housing, comprehending communication/IEC 60870-5-104 slave and DALI functionalities all-in-one?	Yes, Enexis wants to have one box that contains all required functionality.
28	Annex 2 - page 4	If there is no use of an additional router, is this allowed? The SCADA connects directly to the DALI BOX without routing necessary (WAN IP address of DALI BOX)	Yes, there is a point-to-point connection between the Dali box and the central server.
29	Annex 2 - page 4	Scope: Security, If security guidelines of annex annex 5 are followed but there is no VPN tunnel mounted, is this allowed?	It is allowed if all the traffic is encrypted and authenticated by other means, e.g. by using TLS or application layer security measures.
30	Annex 21	Het XML bestand Annex 21 "Self Declaration Form" is niet leesbaar te openen. Kan dit document in een leesbaar formaat (pdf of word) aangeleverd worden? Translation by Enexis: The XML file Annex 21 "Self Declaration Form" is not readable to open. Can this document be provided based on a readable format (pdf or word)?	Annex 21 cannot be opened by itself. Please follow the instructions as mentioned in paragraph 4.2 of the IT-document. In order to help the Candidates to complete the 'European Single Procurement Document' (ESPD), Enexis has tried its best to make a manual. This manual will be send along with the Memorandum of Information. Be aware that it remains Tenderer responsibility to deliver the ESPD complete and on time.
31	Annex 23	In case of a Consortium do all the parties need to sign Annex 23 or only the Lead Party?	In case of a Consortium only the lead party has to sign Annex 23.
32	Annex 3 - 1. (also annex 12)	Is a modular architecture accepted inside the DALI-Box enclosure?	Yes this is accepted.
33	Annex 3 - 1.1.14	It is stated that it must be a Electro mechanical contact, but there are also other reliable contacts like opto contacts. Is it allowed to use an other type of switch with the same function and same of higher reliability? Please clarify.	Yes this is accepted.

34	Annex 3 - 1.2.1	It is required that communication has to communicate via the 104 protocol. Does the system needs to be prepared for communication via IEC61850? Please clarify.	IEC61850 is not applicable.
35	Annex 3 - 1.2.2	In deze eis wordt gesteld dat als wordt geconstateerd dat de oplossing niet voldoet aan de conformance eisen met betrekking tot protocollen de leverancier dit binnen twee weken moet herstellen. Dit is geen reële eis omdat oplossingen die op dit moment in de markt beschikbaar zijn, gebruik maken van een samenstel van software en hardwarecomponenten waar de leverancier niet altijd controle en sturing over heeft (een TCP/IP-stack of een mobiele stack wordt betrokken vaak bij derden). Aanbieder suggereert om deze eis in te vullen met een inspanningsverplichting om dergelijke problemen op te kunnen lossen. Translation by Enexis: In this requirement, it is stated that if it is found that the solution does not meet the conformance requirements with regard to protocols, the supplier must repair it within two weeks. This is not a real requirement because solutions that are available in the market at this time, making use of an assembly of software and hardware components, is often not controlled by supplier (a TCP / IP stack or a cell stack is often acquired by third parties). Provider suggests to fill this demand with a commitment to solve such problems.	Due to strict planning of the Tender this is not possible. Note it is not Enexis experience that major issues arise in this phase.
36	Annex 3 - 1.2.3	Could the period of 2 weeks, after negative findings at the "interoperability test" be extended with 2 weeks?	Because of the very tight planning of this Tender, Enexis cannot agree with this request.
37	Annex 3 - 1.2.4	Mogen we i.p.v. SFTP ook FTP via VPN-tunnel toepassen? Translation by Enexis: We may also use FTP over the VPN tunnel in stead of SFTP?	Yes, this is allowed. Requirement 1.2.4 is changed into: DALI-box must support up/download of measurement data, system logfiles and/or configuration files. Exact choice depends on 104 or JSON. Refer annex 2: Accompanying letter for details using 104 and/or JSON.
38	Annex 3 - 1.2.4	Here SFTP is mentioned. In page 11 of Annex 2 SFTP is mentioned as a mechanism to transfer system log data and management historical data. In par 4.3 of Annex 7 (retrieving log files) it is mentioned that this is still under discussion. Is an alternative way of efficiently sending management data to the central server directly over JSON also acceptable, provided the size of the amount of data is limited? What would be an upper limit for the data size? i.e. What is the history length (# days), what is the number of data entries and what is the minimal interval (# times per hour) at which they are stored?	FTP(S) is the required protocol for file transfer. As explained in footnote *1, there is a preference, but no explicit requirement to use FTPS according to RFC-4217; plain FTP is also allowed. When JSON is used, FTP is still required for file transfer as described in 7.5 of Annex 7. System log is expected to be stored at least for 7x24 hrs, containing all relevant information for management and troubleshooting purposes.
39	Annex 3 - 1.2.4	Is it acceptable for the Purchaser, when using IEC 60870-5-104 protocol based communication, to transfer files by the use of OMA DM and HTTPS protocols together with TLS security mechanisms, deployed e.g. by configuration server of the Tenderer, instead of SFTP?	No, FTP(S) is the required protocol for file transfer. As explained in footnote *1, there is a preference, but no explicit requirement to use FTPS according to RFC-4217; plain FTP is also allowed.
40	Annex 3 - 1.2.4 SFTP	What is meant by this: - Simple File Transfer Protocol (RFC913) ?	FTP(S) is the required protocol for file transfer. As explained in footnote *1, there is a preference, but no explicit requirement to use FTPS according to RFC-4217; plain FTP is also allowed.
41	Annex 3 - 1.2.4 SFTP	What is meant by this: - SSH File Transfer Protocol?	FTP(S) is the required protocol for file transfer. As explained in footnote *1, there is a preference, but no explicit requirement to use FTPS according to RFC-4217; plain FTP is also allowed.
42	Annex 3 - 1.2.4 SFTP	What is meant by this: - FTP over SSH ?	FTP(S) is the required protocol for file transfer. As explained in footnote *1, there is a preference, but no explicit requirement to use FTPS according to RFC-4217; plain FTP is also allowed.

43	Annex 3 - 1.2.4 SFTP	What is meant by this: - FTPS ? (FTP over TLS/SSL (RFC4217))	FTP(S) is the required protocol for file transfer. As explained in footnote *1, there is a preference, but no explicit requirement to use FTPS according to RFC-4217; plain FTP is also allowed.
44	Annex 3 - 1.2.4 SFTP	What is meant by this: - Is File transfer over HTTPS allowed ?	FTP(S) is the required protocol for file transfer. As explained in footnote *1, there is a preference, but no explicit requirement to use FTPS according to RFC-4217; plain FTP is also allowed.
45	Annex 3 - 1.2.5	Wanneer en waarvoor wordt de SSH gebruikt? Translation by Enexis: When and where SSH is used?	For the secure login to the Dali box, for example for troubleshooting and for the retrieval of syslog files.
46	Annex 3 - 1.2.5	What is the remote secure shell (SSH) intended for? Is this used for initial configuration over Ethernet (which in Annex 3 1.5.9 is stated to be inside the enclosure)? SSH is not referred to anymore in the remainder of the document. What functions should be accessible through this shell? Would e.g. a password protected command line interface over UART also suffice?	For the secure (remote) login to the Dali box, for example for troubleshooting and for the retrieval of syslog files. CLI over UART would not suffice.
47	Annex 3 - 1.2.5 SSH	What should the shell be used for ?	For the secure login to the Dali box, for example for troubleshooting and for the retrieval of syslog files.
48	Annex 3 - 1.2.5 SSH	Please explain the functional use.	For the secure login to the Dali box, for example for troubleshooting and for the retrieval of syslog files.
49	Annex 3 - 1.2.5 SSH	What commands can we expect in the SSH?	Standard shell commands available for platform (e.g. ls, cd, cat, less etc).
50	Annex 3 - 1.3 (also annex 12)	What is the overvoltage protection to apply on each DI? This information has a strong impact on the hardware architecture and indirectly on the TCO.	The dali box has to be suitable for specified overvoltages in annex 3 - 3.1 environmental conditions The tenderer should determine the need for overvoltage protection.
51	Annex 3 - 1.3.1	Please state the parameters of signals to be connected to binary inputs: signal from contact (potential free) or voltage signal – of what value? What are the parameters of current required for binary inputs?	DALI-box or digital inputs should be able to read external potential free contacts (open/close without power source). Power/voltage to read external potential free contacts should be provided by DALI-box. Requirements regarding current rating of inputs are dependant on solution provided by tenderer.
52	Annex 3 - 1.3.2	What is the most likely and maximum pulse duration expected?	The minimum puls duration is at least 100 ms with an undefined maximum (for instance the pulsduration of door contact can be several houres and pulsduration for the short circuit indicators depends on used type and the time of self-recovery).
53	Annex 3 - 1.3.2	Kunt u de functionele eis voor detectie van de minimale pulslengte van 100 ms nader toelichten? Translation by Enexis: Please explain the functional requirement regarding detection of minimal pulseduration of 100 ms in more detail?	This is the minimum time that must be read by a digital Input.
54	Annex 3 - 1.3.2. / sub c en d	As only 3 of the inputs are used for the short circuit indicators, is it allowed that only 3 out of 6 inputs fulfil these sub-requirements? We state that the specifications of the other 3 inputs are sufficient to realize the criteria c and d, taking in account the purposes (door contact DALI box, door contact substation, spare).	Yes this is allowed.
55	Annex 3 - 1.3.3 (also annex 12)	Should extensions be housed in an additional enclosure or in the same enclosure?	Equipment to support monitoring of transformer load variables must be housed in the DALI-box (no additional enclosure). Extensions to monitor up to 12 outgoing LV-feeders (out of scope of this tender) may be housed in an additional enclosure.

56	Annex 3 - 1.3.3/2.3.2 (also annex 12)	How many analogue inputs are required? What are the characteristics of analogue inputs?	Current and voltage (each 3 phase). Current is provided over current transformers based on IEC 61689-2. Type of used current-ratio's: 1000/1 - 1000/5. Voltage is provided directly from LV-busbar (230/400V AC +/-10 %).
57	Annex 3 - 1.3.4	What does the term "IED" refer to? "Intelligent Electronic Device"?	Intelligent Electronic Device. E.g. an additional digital meter for outgoing LV-feeder.
58	Annex 3 - 1.3.4	Polling frequency of > 0,1 Hz, this seems rather fast, please specify?	This specification is meant to define at what speed registers of additional IED's must be read. Every relevant register should be read once every 10 seconds. Be aware that specified measurements should be registered in logfile based on an configurable interval (e.g. one measurement value each 5 minutes).
59	Annex 3 - 1.3.4	Please indicate the physical interface for Modbus RTU communication channel. Is it the RS-485 interface?	RS-485.
60	Annex 3 - 1.3.5	According to this annex it is required that the P1 port shall be compliant with the DMSR5 standard. We assume that the P1 port also needs to be compatible with the DMSR2 and DMSR4 standard due to already installed smart meters. Is this a correct assumption and therefore a requirement? Please clarify.	Unfortunately the P1 specification is not backwards compatible, therefore we have to chose which version must be supported. Enexis decided to select the latest version as specified.
61	Annex 3 - 1.3.5 (also annex 12)	It is possible to include an M-Bus - Modbus converter, however in this case we need a some bigger box. What do you prefer: - No bigger box, so no M-Bus P1 port - or a converter for this application and a some larger box	No bigger box. Be aware that M-bus protocol is not the protocol used on P1 port.
62	Annex 3 - 1.3.5 / 1.5.8	Does the DALI box both should have 1) a P1 connector that connects to meters P1 and uses meters output and 2) an inside P1 that functions as a meters P1?	Only 1) is relevant. Please also refer to question 12.
63	Annex 3 - 1.3.7	Loads: is this purely resistive?	The loads are specified according to AC14 for DO(1) en DO(2) used for switching of external electromagnetic contactors for lightning purposes and AC1 for DO(3) for switching tariff in energy meters, with mostly resistive loads with cosphi > 0,95 (very little inductive or capacitive character).
64	Annex 3 - 1.3.8	Is it correct to assume, that only for those stations which are NOT connected via LAN / WAN, the 2G/3G/4G connection is needed or are both options always applicable?	This is a correct assumption. Whenever possible, Enexis will use the available connectivity in a substation. In those situations (a small percentage), the 2/3/4G connection will not be used.
65	Annex 3 - 1.4.2	Should the LED's have a colour related to functions, for example Red for failure?	No, not needed for DI and DO.
66	Annex 3 - 1.4.2	Are states LED's sufficient enough?	Yes.
67	Annex 3 - 1.4.2	Should there be a written text next to the LED's	Not mandatory, however this could increase interpretability of status DI's/DO's depending on hardware used.
68	Annex 3 - 1.4.3	Is an external display using a laptop or tablet over USB allowed?	It is allowed to connect an external display using USB, as long as the USB connector is accessible only inside the box and the USB connector can never be used to control the Dali box. The connector must be configured in such a way that controlling the Dali box is not possible.
69	Annex 3 - 1.4.3	Display what information do you need exactly? How large does the display need to be? Does this information have to be (remotely) configurable?	Displaying measurement-values specified in 2.3.2.2 is sufficient.Values must be actual values. It is also accepted if the values transfered to central system are displayed (based on specified offset). It is not necessary to (remotely) configure the display.
70	Annex 3 - 1.4.3 (also annex 12)	We attend to use locally a fixed display within the Dali Box, is this sufficient enough or do you want to use a WEB browser as well, please some additional information	A local display is sufficient. Refer to Q/A 69 what info should be accessible.

71	Annex 3 - 1.4.3 (also annex 12)	It is stated that all specified values of measurements must locally be visible by means of a fixed display inside enclosure or a separate (mobile) external display that can be temporarily connected to the DALI-box. In our opinion it will improve safety when the field engineer can locally read out the DALI box via the network and get the required information displayed on his laptop/mobile device. Is this solution compliant with or replace the 1.4.3. requirement?	It is allowed to connect an external display using USB, as long as the USB connector is accessible only inside the box and the USB connector can never be used to control the Dali box. The connector must be configured in such a way that controlling the Dali box is not possible.
72	Annex 3 - 1.5.10	What is the max. current to be taken?	Total power consumption external IED's is specified in annex 3 - 1.6.4
73	Annex 3 - 1.5.10	Should the 24VDC connector be outside instead of inside the DALI-box? Please explain.	Inside the DALI-box. It is expected that we need this 24VDC only incidentally.
74	Annex 3 - 1.5.10	What kind of IED's are applicable? Please explain.	Short circuit indicators. It is expected that we incidentally use short circuit indicators that need power supply.
75	Annex 3 - 1.5.3	We notice the requirement for current sensors input which is not defined under section 1.3 I/O. We assume this to be connected via Modbus as specified under 1.3.3. Is this correct?	No, current transformers based on IEC 61869-2 will be used. Current ratio to be facilitated is 1000/5 - 1000/1.
76	Annex 3 - 1.5.3	Please state technical parameters for Current sensor. What measurement parameters are required for current inputs – max. value of measured current, AC signal?	No, current transformers based on IEC 61869-2 will be used. Current ratio to be facilitated is 1000/5 - 1000/1.
77	Annex 3 - 1.5.3 (also annex 12)	Are the current sensors part of the offer?	No, the current transformers are NOT part of the offer.
78	Annex 3 - 1.5.6	In case of applying 2 external LTE antennas (in diversity mode) – should there be 4 cable-glands in the enclosure?	In case of external antenna, we do not require antenna diversity (we don't need 2 external antennas, just one). External antenna will be used only in special cases, in locations with poor coverage where we need to physically connect an external antenna via additional cabling. That external antenna will reach ~15-20 dB higher reception and it is not expected (nor typical implementation) to use two antennas instead of one. With integrated antennas we have the need for diversity to achieve 2-3dB gain at the point of reception (Cat 1 module inside Dali box supports antenna diversity), but for the Dali box population where external antennas are used, diversity is not needed for external antennas, i.e. only one external antenna will be used.
79	Annex 3 - 1.5.7	Please provide the specification for physical interface (e.g. RS-485?) for this interface. Also please provide more details for 3=Earth pin.	Connector pin 1: + (plus) Connector pin 2: - (minus) Connector pin 3: GND / PE (used for connection cable shield inside the DA-box)
80	Annex 3 - 1.5.7 Modbus	Must pin3 be Earth? Or may it also be GND or N.C. ?	Connector pin 1: + (plus) Connector pin 2: - (minus) Connector pin 3: GND / PE (used for connection cable shield inside the DA-box)
81	Annex 3 - 1.5.8	We believe it would be easier to connect the smart meter cable using an RJ11 connector on the meter side and a screw connection inside the enclosure? This would reduce the effort of crimping on an RJ11 connector after pulling the cable through the enclosure wall. Is this acceptable?	Connector should fit through M20 gland. Please use same connector as used on Smart meter side. Ref: annex 13.
82	Annex 3 - 1.5.8	In requirements for P1 port, the P1 – RJ11 connector type is stated, but in Annex 13 the RJ-12 is specified. Which one is correct?	Annex 13 is leading.

83	Annex 3 - 1.6.1 Power supply	Must supply be 3-phase and able to work with at least one phase ?	DALI-box will be connected to 3-phase and neutral (for measurement-purposes). It is up to tenderer to decide how to power the DALI-box from this inputs. No specific requirements.
84	Annex 3 - 1.6.1 Power supply	Or is a single-phase supply sufficient ?	DALI-box will be connected to 3-phase and neutral (for measurement-purposes). It is up to tenderer to decide how to power the DALI-box from this inputs. No specific requirements.
85	Annex 3 - 1.6.1 Power supply	Should the power supply be able to work with 230 <u>and</u> 400 VAC or 230 <u>or</u> 400VAC	This is up to Tenderer. No specific requirements.
86	Annex 3 - 1.6.2	Specify fuse type. (Description in specification is not clear)	There must be an internally short circuit protection in the DALI box by gG fuse or miniature circuit breaker (MCB) in case protection provided by Enexis is not sufficient.
87	Annex 3 - 1.6.3	Wat wordt bedoeld met een automatische fuse? Welk kortsluitvermogen is dan vereist? Translation by Enexis: What is meant by an automatic fuse? What short-circuit power is required?	Automatic fuse is an Miniature Circuit Breaker (MCB), type B.
88	Annex 3 - 1.6.5	Is het toegestaan om de last gap voorziening buiten de behuizing van de standaard Dali-box te houden? Translation by Enexis: Is it permissible to plan the last gap unit outside the housing of the standard Dali-box?	No, this is not accepted.
89	Annex 3 - 1.6.6	Here it states: "Last gap functionality must be designed for system power consumption and an additional 5W external power consumption (powering short circuit indicators during 30 seconds)." Are these the same external powered device as mentioned in 1.6.4 and are these then in fact the short circuit indicators?	Yes, this is correct. Additional 5W power supply is needed for supply of short circuit indicators.
90	Annex 3 - 1.6.7	De gevraagde levensduur voor de last gap voorzien is niet proportioneel met de werkelijke technische levensduur. Kan deze eis naar beneden worden bijgesteld? Translation by Enexis: The requested life for the last gap is not proportional to the actual technical lifetime. Can this requirement be revised downwards?	No. It is very important for Enexis to reduce maintenance-activities. This is the reason why Enexis has specified a designlife of at least 12 years.
91	Annex 3 - 1.6.8 Last gasp	Enexis mentions PowerCap: which powercap? (No Double-Layer caps or even Li-caps known to us with that lifespan (8j @20°C is max).)	The DALI box should be provided with an internal back-up (battery also accepted) to temporarily supply the box for a duration long enough to transmit the last gap. The type for the back-up should be chosen by vendor with reference to requirement Annex 3 - 1.6.7
92	Annex 3 - 2.1.1	"When starting up from a voltage-less state, the box must respond (...)", What level of voltage is meant by voltage-less?	This is when the box is off due to no power.
93	Annex 3 - 2.1.3 (also annex 12)	What must be configurable for the watchdog mechanism?	The watchdog mechanism(s) has to have at least a configurable time-out. Other configurable parameters might be the kind of monitoring (e.g. traffic monitoring or ping) and the kind of reset (hard/soft reset, reset of complete system or only the modem).

94	Annex 3 - 2.1.3 Watchdog	User configurable watchdog is not recommended because (inadvertent) misconfiguration can lead to malfunction. The basic function of an external watchdog circuit is that it is fully independent of any software/hardware process in the core of a system. Will a function-appropriate watchdog be sufficient ?	The watchdog mechanism(s) might be implemented in hardware and/or software, as long as the requirements are met. Ultimate goal is that the device is able to reset partly or complete when due to unforeseen circumstances service is lost. Main focus is the configuration of the/a time-out timer on the communications-part. Other configurable parameters might be the kind of monitoring (e.g. traffic monitoring or ping) and the kind of reset (hard/soft reset, reset of complete system or only the modem).
95	Annex 3 - 2.1.3 Watchdog	Network-side loss of function can only lead to a limited reset of the DALI-box because a global network outage would lead to a world of resetting DALI-boxes.	We assume a stepped approach when loss of communication is detected. According to GUL38 in Annex 4, first the modem has to be reset by a watchdog. If this (after a configurable time) still does not result in the regaining of service, the complete device has to be reset (Annex 3 - 2.1.3) in order to overcome possible problems with firmware. A large-scale network-outage would eventually result in a world of resetting DALI-boxes (when the network-outage duration is longer than the configured time). Enexis accepts that this will be the case.
96	Annex 3 - 2.2.1.2 (also annex 12)	Accuracy of $\leq 1\%$ is possible however the current transformers need to be class 0,5, is this the case?	Specified accuracy is excluding current transformer
97	Annex 3 - 2.2.1.3	In addition to the current ratio information, can you confirm the max rating of the CT (current transformer) secondary?	To be used current transformers will be in the range 1000/5 A - 1000/1 A
98	Annex 3 - 2.2.1.4	<i>"DALI-box is able to automatically verify correct connections of analog inputs (Voltage and Current-sensors). E.g. functionality supported by digital meter."</i> Graag nader specificeren wat er met deze eis bedoeld wordt. Translation by Enexis: <i>"DALI-box is able to automatically verify, correct connections of analog inputs (Voltage and Current sensors). E.g. functionality supported by digital meter." Please specify in more detail what is meant by this requirement.</i>	To get awarding on this requirement (so not mandatory) wrong connected current sensors (e.g. S2-S1 instead of S1-S2) or wrong phase order of voltages connected (e.g. L1, L3, L2 instead of L1, L2, L3) shall be detected by the DALI-box.
99	Annex 3 - 2.2.1.4	Also related to 1.3 I/O: is this connection test needed as we intend to use modbus to connect to the voltage and current registration and therefore no analog inputs are in scope?	To get awarding on this requirement (so not mandatory) wrong connected current sensors (e.g. S2-S1 instead of S1-S2) or wrong phase order of voltages connected (e.g. L1, L3, L2 instead of L1, L2, L3) shall be detected by the DALI-box.
100	Annex 3 - 2.2.1.4	Please provide technical specification for Voltage- / Current-sensors. What measurement parameters are required for voltage / current inputs – max. value of measured voltage / current, AC signal?	Article 2.2.1.4 specifies correct connection verification of analog inputs as awarding criterion. To get awarding on this requirement wrong connected current sensors (e.g. S2-S1 instead of S1-S2) or wrong phase order (e.g. L1, L3, L2 instead of L1, L2, L3) of voltages or current sensor connections shall be detected by the DALI-box. Verification can be e.g. based on powerfactor-range. For measurement-parameters refer to Annex 3 - 2.3.2. Voltage sensors are not applicable. 240/400V AC voltages are direct input for DALI-box). For specification current sensor inputs refer to other Q/A's. E.g. Q/A 56.
101	Annex 3 - 2.2.1.4 (also annex 12)	Which analogue inputs are mentioned here, where are they coming from?	Analogue inputs of the current transformers and voltage for load measurements
102	Annex 3 - 2.2.1.4 (also annex 12)	What should be checked in detail?	To get awarding on this requirement wrong connected current sensors (e.g. S2-S1 instead of S1-S2) or wrong phase order of voltages connected (e.g. L1, L3, L2 instead of L1, L2, L3) shall be detected by the DALI-box.
103	Annex 3 - 2.2.2.1 (also annex 12)	What astronomical functions should be supported by the clock (e.g. sunrise, sunset,...)	Sunrise, sunset and GPS coordinates
104	Annex 3 - 2.2.2.2	Only 1 program is active while 9 are stored. How is another program activated? Remotely from the central system?	It must be possible to activate another program remotely.

105	Annex 3 - 2.2.2.3	Is the IEC104 protocol allowed for handling of the Public street light programm also?	No, not for the programmes. If IEC104 is implemented, it shall be possible to directly switch the street lights on or off over the IEC 104 protocol.
106	Annex 3 - 2.2.2.3	Street Light Program: what are the specs for this requirement? What formats do you support already? What are the specs for those?	Format should be specified by the supplier. For an example see Annex 2 section Annex 4.
107	Annex 3 - 2.2.2.3	Is it allowed to upload configuration file from the device management tool instead of the central station?	No.
108	Annex 3 - 2.2.2.4 (also annex 12)	What is meant with the 16 entries for public street light behaviour?	16 possible premisses. For an example see Annex 2 section Annex 4.
109	Annex 3 - 2.2.2.6	Can you specify what is meant with 'basic PLC functionality'?	Functions needed to program the functionality requested in Q/A 12.
110	Annex 3 - 2.2.2.6	What is meant by 'PLC functionality'? Can you provide us with detailed specs what is expected here?	Functions needed to program the functionality requested in Q/A 12.
111	Annex 3 - 2.2.2.6 PLC	Remotely programmable function or selection of fixed functions ?	Functions needed to program the functionality requested in Q/A 12.
112	Annex 3 - 2.2.3.2	Is it allowed to upload configuration file from the device management tool instead of the central station?	No.
113	Annex 3 - 2.2.3.5	Is it allowed to upload configuration file from the device management tool instead of the central station?	No.
114	Annex 3 - 2.3.1.2	The data that must be stored, is that only the data that is not send over the 104 communication link to the SCADA system, or also the local information e.g. logging, extra measument data, statistics ect. ? Please clarify.	This is a generic requirement valid for all stored data
115	Annex 3 - 2.3.2.1	Daily maximum and minimum means that these values are calculated every day. Does it mean that all min and max values have to be automatically resetted every day @ 24:00. Please confirm	Yes
116	Annex 3 - 2.3.2.1	What is the mathematical definition of S 3 phase?	S=SUM. Total Active power is sum of active power of each phase. Etc.
117	Annex 3 - 2.3.2.4	What is meant by non scaled format? For example, how should be the value of e.g. CT's be incorporated?	Real values should be transmitted. E.g. the value of the CT's should be multiplied by the transformation ratio.
118	Annex 3 - 2.3.2.4	What is meant by non-scaled value? Please clarify.	Real values should be transmitted. E.g. the value of the CT's should be multiplied by the transformation ratio.
119	Annex 3 - 2.4.2	What central SNMPv3 software brand and version is used?	Which SNMPv3 software brand should not matter.
120	Annex 3 - 2.4.2 SNMP	What MIB information is minimal requested?	We don't know this yet in detail, but would expect relevant information (like CPU temperature/load, storage space, interface usage and modem-information like signal strength). Vendors are encouraged to come with a proposal.
121	Annex 3 - 2.5.1	NTP: What is meant by version 6? RFC 5905 talks about version 4 being the current version). Is SNTP sufficient?	This is a mistake in our specifications, it must be NTPv4. SNTP is not sufficient.

122	Annex 3 - 3.1 (also annex 12)	Dielectrical insulation: Could please indicate the insulation groups? For example: - Power Supply vs remaning I/O whatever the types? - Between each DIs/DOs? - Between Ethernet or P1-DSMR or Modubus vs Processing unit? - Between the SMA connector and the rest of the product? This information has a strong impact on the hardware architecture and undirectly on the TCO.	The dieletrical insulation between components inside the DALI-box shoud be in accordance with the environmental conditions and sufficient for the specified operating contitions and EMC-requirements, ref. Annex 3 - 3.1.
123	Annex 3 - 3.1 (also annex 12)	What would be the insulation levels between each groups? This information has a strong impact on the hardware architecture and undirectly on the TCO.	The vendor should determine the internal insulation levels between each groups in accordance with the specified operating conditions and EMC requirements, ref 3 - 3.1.
124	Annex 3 - 3.1 (also annex 12)	For EC label point of view, the protection and EMC on each interface (Ethernet/Modbus/P1-DSMR/DI/DO) depends on the length of the cables and where they are installed (indoor/outdoor): - Could the length of the cables be longer than 3m? - Could the cables be installed in indoor and/or outdoor? As this information influence the level of protection and EMC of the interface. It would have a strong impact on the TCO.	Indoor, max. ≤ 5 m, except DI short circuit indicators: max 10 m.
125	Annex 3 - 3.1.7 Environment	This requirement needs correct installation of external wiring and type of wiring. Does Enexis have a guideline for this?	The installation of external wiring depends on execution of the different substations and deviates mostly. Enexis has no guideline for connection of DALI boxes.
126	Annex 3 - 3.2.1 Lifetime	Humidity, is this non condensing?	Humidity is non condensing
127	Annex 3 - 3.2.2	Hoe ziet u in deze context de ontwikkeling van "nieuw" ontwikkelde embedded systems? Translation by Enexis: How do you see in this context the development of "new" advanced embedded systems?	For TCO awarding the vendor should use components suitable for the enviromental conditions (temperature, humidity, transient overvoltages) and engineering and design shoud include reliability analysis (FMECA and accelerated test screening are methodes to prove the expected lifetime)
128	Annex 3 - 3.2.3	Bedoeld u hier MTTF? Translation by Enexis: Do you mean MTTF?	MTBF is correct (and equals MTTF in case of for Enexis non-repairable component failures). Non-repairable failures are all failures where electronic components are damaged and replacement of this separate component or the complete printed circuit board(s) is necessary. In this case the complete DALI-box will be replaced.
129	Annex 3 - 3.2.4	Hoe ziet u in deze context de ontwikkeling van "nieuw" ontwikkelde embedded systems? Translation by Enexis: How do you see in this context the development of "new" advanced embedded systems?	The use of proven technology (tenderer has experience with the stated functionality) will be extra awarded, as in Enexis opinion new developments and tenderers expertise has become mature. This Evidence can also be based on a similar product/productline (so not soley the new developped embedded system).
130	Annex 3 - 3.2.5	"20 is outstanding" while max. score is set to 30, is this correct?	We expect 4.2.5 is meant. In this case max. 30 points (30=outstanding functionality: no manual interventions during commissioning are needed; each manual intervention -5 points, minimum = 0 points).

131	Annex 3 - 4.1.1	IPv6 is momenteel niet ondersteund maar zal door updates in de toekomst worden toegevoegd. Is er vanuit Enexis een planning wanneer IPv6 nodig zal zijn? Translation by Enexis: IPv6 is currently not supported but will be added by the updates in the future. Is there a schedule, when IPv6 by Enexis is needed?	As much of the details around IPv6 planning and implementation is still unknown, full IPv6 support can be implemented in a later stage (after the start of the roll-out of the Dali boxes). However, the minimum requirements for module support are specified in ETSI TS 123.221/RFC 3316, and we defined this in the GUL 16 requirement. This must be available on already in the demo phase, but that should not be a problem as this is a standard requirement for LTE modules.
132	Annex 3 - 4.1.2 IP v6	Should IP v6 be available for the demo phase 3?	As much of the details around IPv6 planning and implementation is still unknown, full IPv6 support can be implemented in a later stage (after the start of the roll-out of the Dali boxes). However, the minimum requirements for module support are specified in ETSI TS 123.221/RFC 3316, and we defined this in the GUL 16 requirement. This must be available on already in the demo phase, but that should not be a problem as this is a standard requirement for LTE modules.
133	Annex 3 - 4.2 Configuration and commission tools	Does the phase 3 demo include the configuration and commission tools as stated in 4.2?	Yes
134	Annex 3 - 4.2.1	What kind of SIM cards is Enexis going to use for the DALI boxes?	See Annex 4, paragraph 2.7.
135	Annex 3 - 4.2.4	No manual configuration activities over local webinterface or config tool: does this mean no such interface may be available, or only that this is not accepted as the only means of configuring the Dali box?	Such interfaces are not accepted as the only means of configuring the Dali box.
136	Annex 3 - 4.2.5 (also annex 12)	4.2.5 Max score: 30 4.2.5 Assesment method: 20 Welke is leidend? Translation by Enexis: 4.2.5 Maximum score: 30 4.2.5 Assessment method: 20 Which is leading?	Max. 30 points (30=outstanding functionality: no manual interventions during commissioning are needed; each manual intervention -5 points, minimum = 0 points).
137	Annex 3 - 4.2.5 (also annex 12)	The maximum score is 30 points. However according to the Assestment methode the maximum score is 20 points. What is the maximum score for this Awarding criterion? Please clarify.	Max. 30 points (30=outstanding functionality: no manual interventions during commissioning are needed; each manual intervention -5 points, minimum = 0 points).
138	Annex 3 - 5.1.1	Handleidingen van het systeem dienen in het nederlands aangeleverd te worden terwijl van de leverancier gevraagd wordt goed engels te kunnen communiceren. Is het toegestaan om een engelstalige handleiding aan te leveren? Translation by Enexis: Manuals for the system to be delivered must be in Dutch, however supplier is requested to communicate in good English. Is it permissible to supply an english manual?	English manual is accepted.

139	Annex 3 - 5.1.1.	In het tender document wordt in hoofdstuk 6 aangegeven dat de documentatie in de Nederlandse of de Engelse taal aangeleverd mag worden. In eis 5.1.1 wordt aangegeven dat documentatie in de nederlandse taal aangeleverd moet worden. Aanbieder gaat er vanuit dat de documentatie in de Engelse taal voldoet. Is dit akkoord? Translation by Enexis: The tender document states in Chapter 6 that the documentation must be submitted in Dutch or English. Requirement 5.1.1 states that documentation should be provided in the Dutch language. Vendor assumes that documentation in English is accepted. Is this correct?	Yes, this is accepted
140	Annex 3 - 5.4.6	In eis 5.4.6 wordt gesproken over een onderhoudsperiode van 8 jaar. Het contract spreekt over een periode van 1 jaar met een mogelijke verlenging. Dit lijkt met elkaar in tegenspraak. Wordt het onderhoud apart gegund of maakt dit deel uit van de raamwerkovereenkomst. Translation by Enexis: Requirement 5.4.6 mentions a maintenance period of 8 years. The contract refers to a period of one year with a possible extension. This seems to contradict with each other. Is the maintenance awarded separately or is this part of the framework agreement.	The service is part of the tender. The framework agreement and the service will be arranged in separate contracts.
141	Annex 3	We do not see a specification of the Antenna, are we free in quoting the antenna? Where should it be located?	Yes, as long as the Dali box complies to the sensitivity requirements specified in Annex 4. Antenna should be mounted on the outside of the Dali box.
142	Annex 4	Installation of servers & responsibility: also maintenance & operations?	Not as part of this tender
143	Annex 4	Provisioning of the tariff and light program data created by the central system? Will it be fed to our system and we provision or is this done without help from the central system itself?	The tariff and light program data will be fed into the DALI-boxes directly from the central OT system itself.
144	Annex 4	Monitoring (health, capacities, etc.), data collection and analysis, alarming, controlling of units. Is this all done by Enexis? Do we need to provide some APIs so Enexis can fetch relevant data from the management system (e.g. IP addresses, status info from our inventory for instance)?	Yes, this will all be done by the Central OT system(s) from Enexis. The commissioning and management system from supplier need to fetch relevant data from the Enexis systems.
145	Annex 4	Apart from the initial configuration upload/form for the commissioning system, we could not find any information about the expected functionality of the management system. It should be able to "manage" devices, config change management and do software upgrades (unsure which protocol to be used and how to initiate and verify an upgrade). Can you provide more information on what is expected here (UIs, APIs, etc.)?	The management system should be able to perform changes in configuration (same parameters as commissioning system) and perform firmware upgrades. No specific protocols are required by Enexis, this is up to the supplier. Exchange of configuration data by local UI or files.
146	Annex 4	Who is managing the SIM Card?	Enexis will manage the SIM card, but the Dali box vendor is asked to insert the SIM in the Dali box during or after production. SIM cards will be provided by Enexis, logistic details will be discussed after vendor selection.
147	Annex 4	Is OMA-DM part a required feature of the Management Server?	Focus is on secure FW update process, as per GUL25 which uses the wording 'such as' but does not mandate the protocol. If alternative secure protocol is available, it is allowed to propose it.
148	Annex 4	Does the Firmware Upgrade process mentioned in the Annex 4 has to be done via OMA-DM?	Focus is on secure FW update process, as per GUL25 which uses the wording 'such as' but does not mandate the protocol. If alternative secure protocol is available, it is allowed to propose it.

149	Annex 4	How to overcome the limitation of the 5 MB of FW Upgrade over OMA-DM? The consequence might be inability to distribute the firmware in one single shipment.	Firmware update shall be realized by sending the delta package with differences and not the full firmware package. With this approach it is not expected to have filesizes of more than 5MB.
150	Annex 4 - 1.4.3	In case of solution based on displays as external terminals, connected to the DALI-Box by the user – how many such terminals should be supplied?	30 Terminals
151	Annex 4 - 3.2	Does the device Management and firmware updates need to follow obligatory the 'OMA protocol and guidelines'?	Focus is on secure FW update process, as per GUL25 which uses the wording 'such as' but does not mandate the protocol. If alternative secure protocol is available, it is allowed to propose it.
152	Annex 4 - 3.3	Please provide us with more information on implementation of req. GUL30.	Currently it is not possible to provide more information.
153	Annex 4 - GUL 14	Er word hier specifiek verwezen naar 1 fabrikant, in hoeverre is het dwingend om met dit fabricaat aan te bieden? Translation by Enexis: There is prompted to one specifically manufacturer, in what extent is it mandatory to offer this manufacturer?	Gemalto is (at this moment) the sole supplier of the Enexis SIM cards.
154	Annex 4 - GUL 33	Please supply specification of the trigger indications for "idle mode" or refer to respective protocol.	This is part of the 3GPP LTE communication standard.
155	Annex 4 - GUL 4	In the Requirements document in GUL 4 LTE category0, LTE-M is mentioned. Should the device be prepared for future upgrade from LTE Cat 1 to mentioned above?	No, we will stick to LTE Cat1.
156	Annex 4 - GUL 7	Can the antenna for communication unit be mounted only on the outside of RTU's cabinet ?	Yes, as long as the Dali box complies to the sensitivity requirements specified in Annex 4. Antenna should be mounted on the outside of the Dali box.
157	Annex 4 - GUL 9	Er word diversity gevraagd voor alle banden, dit is niet gebruikelijk voor een LTE CAT1 verbinding. In hoeverre mag hier van af worden geweken? Translation by Enexis: There is prompted diversity for all bands, this is not usual for a CAT1 LTE connection. To what extent may be deviated?	We don't understand this question.
158	Annex 4 - GUL 9 / GUL 10.	External antenna is mentioned as the optional antenna. What kind of the antenna is a basic one for both antennas: main and diversity? Is it ceramic antenna or other? If there is main and diversity antennas, the external optional diversity antenna must be also included in design, is it right?	In case of external antenna, we do not require antenna diversity (we don't need 2 external antennas, just one). External antenna will be used only in special cases, in locations with poor coverage where we need to physically connect an external antenna via additional cabling. That external antenna will reach ~15-20 dB higher reception and it is not expected (nor typical implementation) to use two antennas instead of one. With integrated antennas we have the need for diversity to achieve 2-3dB gain at the point of reception (Cat 1 module inside Dali box supports antenna diversity), but the Dali box population where external antennas are used, diversity is not needed for external antennas, i.e. only one external antenna will be used.
159	Annex 4 - GUL1	Most of available communication modems with LTE in Category 1 do not support 3G. Is it acceptable to apply a communication module supporting only 2G(GPRS/EDGE) and 4G(LTE)?	Yes, this is acceptable. Please also refer to the Memorandum of Information issued on September 6.
160	Annex 4 - GUL10 (also annex 12)	Is a SMA connector accepted for the connection of the external antenna?	Not only accepted, it is mandatory as per GUL10 requirement.

161	Annex 4 - GUL10 (also annex 12)	In the case of the use of an external antenna, is this antenna placed in outdoor or indoor? This information has a strong impact on the protection to apply on the cellular modem. This would have a strong impact on the TCO.	Indoor in most of the cases. In case of external antenna, we do not require antenna diversity (we don't need 2 external antennas, just one). External antenna will be used only in special cases, in locations with poor coverage where we need to physically connect an external antenna via additional cabling. That external antenna will reach ~15-20 dB higher reception and it is not expected (nor typical implementation) to use two antennas instead of one. With integrated antennas we have the need for diversity to achieve 2-3dB gain at the point of reception (Cat 1 module inside Dali box supports antenna diversity), but for the Dali box population where external antennas are used, diversity is not needed for external antennas, i.e. only one external antenna will be used.
162	Annex 4 - GUL23	FW may be developed and delivered by multiple parties, does it mean that a secure connection is to be established to one or more supplier-owned SW management system(s) for FW upgrade ? Or does Enexis wants to use the (an) internal installed management tool for that purpose? Please explain.	A secure connection is to be established to one or more supplier-owned SW management system(s) for FW upgrade.
163	Annex 4 - GUL29 / GUL30 / GUL34 / GUL35	GUL29,GUL30,GUL34,GUL35: General question, which of these requirements is to be supported / implemented directly in the radio module, and which of these requirements is to the entire device, ie. in the microcontroller / processor ?	These are intended for implementation to the entire device, but generally this is up to the Dali box vendor, as long as the functionalities are supported.
164	Annex 4 - GUL7	What is the quantized required sensivity?	Requirement is complete and should be clear.
165	Annex 4 - L 2	Rationale for the L 2. criteria contains unjustified general assumption that cat.1 product is always cheaper than higher category product. Due to market factors, such as product (communication module) market volume, long availability and existing RTU solutions this could not always turn out to be true. What criterion decides about choice of the communication unit - technical aspects or the price?	Technical aspects and price. Cat1 is sufficient to meet Enexis needs and represents current mainstream for M2M services on LTE (at least until cat-M1/M2 launch). Cost savings come from reduced technical characteristics of cat1 compared to cat3+ devices, those are facts and not assumptions.
166	Annex 4 - Version 1.5	We received version 1.5 at 07-09-2016. The new version does have impact on the specification, we do not know yet if we can comply with the new specifications. We only have two (2) days left to ask questions of this part. Is it allowed to ask questions about version 1.5 in a later stage?	The changes in Annex 4, version 1.5 i.r.t. version 1.4 differ only in some minimum requirements becoming optional items, resulting in less strict requirements. Furthermore all changes have been mentioned in detail in the 1st Mol. So we will not facilitate another question round.
167	Annex 4 - Version 1.5	Is IPv6 DHCP with Prefix Delegation required or is it possible to use SLAAC with Prefix Sharing?	As much of the details around IPv6 planning and implementation is still unknown, full IPv6 support can be implemented in a later stage (after the start of the roll-out of the Dali boxes). However, this question is only related to the way KPN will handle address allocation. It does not impose any new requirements on device side other to the ones already defined. It is expected that the MNO will offer both DHCPv6 and SLAAC.
168	Annex 5	How to provision the cryptographic keys (section 2.3)?	The manufacturer is free to choose the method to provision the cryptographic keys, as long as it is done securely. Session keys are usually provisioned by the IKE for IPSec or in the initial handshake for TLS. For certificates or pre-shared keys, it would be for instance allowed to use the configuration and commissioning tools. There is no requirement to deliver the devices with the cryptographic keys already installed. They may be remotely and securely installed during the commissioning process at the substation.

169	Annex 5	EC60870-5-104 (via SFTP) or JSON via websockets only protocol(s). Which are being considered for configuration?	For commissioning and management (communication between DALI-box-commissioning system/tools and management system/tools provided by supplier), no specific protocol is required. Other configuration made by the Central OT system provided by Enexis requires FTP and/or JSON
170	Annex 5	In case we choose wsJSON, what are the security mechanisms?	A secure connection (VPN) must exist between the Dali box and the central server. See also Q/A 9.
171	Annex 5	Is IPSEC absolutely necessary, or is an TLS based VPN client also possible to connect to the VPN?	A TLS-based VPN solution is also allowed, as long as it meets the security requirements. The notes on IPSec are only included as clarification, as it is the most common solution.
172	Annex 5 - 2.3	Is an IPsec concentrator part of the architecture to be delivered by supplier ?	No, Enexis will install this.
173	Annex 5 - 3	Is there an existing identity database available?	Not yet for the Dali domain, but this will be implemented by Enexis.
174	Annex 5 - 3	Is it possible for the DALI box to access existing Enexis network services like DNS and NTP ?	NTP will be made available for the DALI-boxes. Currently we do not foresee the need for DNS. NTP will only be available after the VPN has been set up (after the 1st commissioning)
175	Annex 5 - 3.3	What is the retention time of the activity log/sys log?	See requirement 2.4.1, this must be 7*24 hours.
176	Annex 5 - 4	Can you specify the crisis management communication process in case of a network intrusion or corruption?	No. This is confidential information.
177	Annex 5 - 4.	Is there an IP address plan defined for the remotes sites, for the central site ?	No, this will be made available in a later stage
178	Annex 5 - SDR.01.2	What exactly do you mean by "accredited external auditor" - an accredited auditing company or an external certified person, conducting audits of our ISMS?	Both are ok, as long as the person or company performing the audit is accredited.
179	Annex 5 - SDR.06.1	Should the security training, required in SDR.06.1, constitute a part of core users / system engineers trainings or be a separate training course? Please provide more details on the requirements.	Both options are allowed. Enexis has no preference on whether the security training is provided separately or as part of core trainings, as long as the trainings provide the necessary security knowledge.
180	Annex 5 - SPR.03.1	Hoe word dit precies bedoeld? De Box weet in principe niet of een interface van iemand anders word aangevallen. Is het de bedoeling dat de DALI box het bovenliggende centrale systeem moet monitoren/bewaken? Translation by Enexis: How is this exactly meant? The Box basically does not know if an interface of someone else is attacked. Is it intended that the DALI box must monitor the upper central system?	We assume the comment refers to SCR.03.1: "The DALI box or modem SHALL be able to detect replay attacks on the central systems interface". What is meant here is that the DALI box can detect replay attacks on the central system interface of the DALI box. (See the architecture in Section 1.2 of Annex 5.) The DALI box does not need to monitor the central system. It only needs to check traffic coming from the central system for replay attacks.
181	Annex 6 - 2.3.1	Talks about a figure 2 that is missing. Can you provide the figure 2?	Refer included document (Annex 6 - figure 2: Enexis_rtu_networkarchitecture) Note: the presented network-architecture with two central systems (one main and one backup, based on only one modem in the DALI-box), is not mandatory for the demo-assessment. This functionality should however be part of the provided solution at contract signing. Details regarding the two connections will be discussed in concert.
182	Annex 6 - 2.3.2	We don't understand the last sentence of this paragraph; "Data is exchanged between the RTUs and the 104 front end using a GPRS connection and a fixed connection line. The default configuration is one GPRS connection to each RTU. Each GPRS connection can be used for establishing 2 logical connections (OK, two ports in fact). The 104 front end polls each RTU and the primary EMS (Weert or Roermond) decides per RTU which logical connection is used for updating the EMS database." Can you specified the interaction between 104 front end, the RTUs and these 2 EMS (Energy Management System) in the cities of Weert and Roermond?	Text annex 6 - article 2.3.2 will be replaced by: Data is exchanged between the RTUs and the 104 front-ends using two ip-sec-tunnels over GPRS/UMTS/LTE towards two different locations. Both ip-sec-tunnels over GPRS/UMTS/LTE can be used for establishing logical a 104-connection between a frond-end and the rtu. The 104 front end polls each RTU and the primary central DALI-system decides per RTU which logical connection is used for updating the DALI-database. The network connection between the 104 front-ends and the central DALI-system is outside the scope of this document.

183	Annex 8	Is the cause for liability (power loss) applicable for this project?	A DALI-box can probably not cause any major power-loss by itself. If for whatever reason, for example a DALI-box should start burning, resulting in a complete burn out of a substation, this can cause power loss. So in that case the supplier is liable for power loss, as far as mentioned in Article 18 of the Framework agreement.
184	Annex 8	Het contract bevat aansprakelijkheden, die deels gelimiteerd zijn en deels ongelimiteerd. Is de aanbestedende dienst bereid om de risico's te beperken tot verzekerbare bedragen of gelimiteerde bedragen? Translation by Enexis: The contract includes liabilities, some of which are limited and partly unlimited. Is the contracting authority prepared to reduce the risks to amounts that can be insured or limited amounts?	In situations as mentioned in paragraph 18.3 and 18.4 of the Framework agreement, Enexis is of the opinion that a limitation or reduction is not relevant. Since these situations involve a.o. claims for industrial and intellectual property and personal injury caused by the goods delivered by the SUPPLIER. In situations as mentioned in paragraf 18.1 is already limited and in line with the requested Insurance (see par. 4.4.3 of the ItT-document).
185	Annex 8	Is de aanbestedende dienst van mening dat de risico's binnen dit contract proportioneel verdeeld zijn tussen de aannemende partij en de aanbestedende dienst? Translation by Enexis: Is it contracting authority's opinion that the risks for the contract are proportionally shared between the supplier and the contracting authority?	Yes. Enexis' opinion is that the mentioned amounts (w.r.t. liability) are proportional in regard to the value of the contract. Enexis is of the opinion that the risks in the execution of the project should mainly be bared by the SUPPLIER, since it is the responsibility of the SUPPLIER to delivery a component of good quality.
186	Annex 8 - 10.3 Payment, invoice	Enexis will have the right at all times to set off claims the Other Party has against Enexis with claims , on whatever basis, Enexis has against the Other Party after prior written acceptance by [SUPPLIER] which shall not unreasonably be withheld but this is limited to the relevant Order this Framework Agreement and between the parties of this Framework Agreement.	This requested change is not accepted. Enexis will not change this point in the Framework Agreement.
187	Annex 8 - 10.4 Payment, Invoice	[SUPPLIER] may suspend or cancel deliveries of Goods to Enexis without notice, where Enexis has failed to make payments in accordance with this Clause 10.	This request is not accepted. Article 10.4 will not be added.
188	Annex 8 - 11.1 Warranty	The [SUPPLIER] provides full warranty on the Goods delivered for 24 months from the moment of arrival at the delivery location to Enexis. The warranty obligation of the [SUPPLIER] excludes damage caused by normal wear and tear, improper use by Enexis and/or third parties as well as damage caused by external factors.	Since the warranty is described in Article 11.4 of the Framework Agreement, there is no discussion about the term 'full'. Therefor Enexis will not remove it form this Article.

189	Annex 8 - 11.2 Warranty	[SUPPLIER] will repair or replace, at its option, during the warranty period stated in Clause 11.1, any Goods or part of the Goods which are defective according to Clause 11.4. In case of repair and repaired parts, or delivery of replacement goods, the abovementioned full-warranty period will start to run again, however limited to the repaired parts and limited to a maximum of 12 (twelve) months after ending of the original warranty period as mentioned in Clause 11.1. Article 10.4 GPC will be replaced by the following: Enexis will have the right to repair the Delivery under a Purchase Order or have it repaired at the reasonable and verified account of the Other Party, if the Other Party is in default to do so in the sense in the sense of Article 16.2 GPC and subject to having granted another grace period of thirty (30 days) by registered letter during which the Other Party again failed to remedy the default if it may be reasonably assumed following consultation with the Other Party that the Other Party confirms that it cannot or will not arrange for repair or replacement or that it cannot or will not arrange for repair or replacement in time or properly. This will not release the Other Party from its obligations under the Agreement. Article 9.2 GPC will be replaced by the following: If Enexis establishes that the Goods delivered do not comply, in whole or in part, with what was guaranteed by the Other Party in accordance with paragraph 1 of this Article, the Other Party will be in default provided that a notice of default was given by Enexis and the reasonable term of 30 days was afforded as stipulated in clause 16.2 GPC, unless the latter is able to demonstrate that the failure cannot be attributed to it.	Article 11.2 will not be changed. The proposed change has nothing to do with the intend of this Article (description of the warranty after repair and/or replacement). Proposed changes to articles 10.4 and 9.2 are not accepted.
190	Annex 8 - 11.3 Warranty	The warranty set out in this Clause shall be the sole warranty provided by [SUPPLIER] under the Agreement (except for the batch failure warranty under Clause 13.2 of the Framework Agreement) and the remedies set out in this Clause shall be the sole and exclusive remedy for the breach of the warranty. Any claim for damages or other compensation is expressly excluded. The expiry of the warranty period does not impede the other contractual rights of Enexis.	This request is not accepted. Article 11.3 will not be changed.
191	Annex 8 - 13	Candidate requests Enexis' definitions of "Batch Failure" and "Epidemic Failure" to be added to article 1 of the FA.	Batch Failure means: a failure that is found in a limited number of DALI-boxes, e.g. in the DALI-boxes from one production batch. Or in DALI-boxes which are using a specific batch of sub-components. Epidemic failure means: a failure that occurs in large numbers of DALI-boxes, so not limited to, for example, one production batch. Or not limited to a specific batch of sub-components. Epidemic failures can for example be a design-error, leading to defects in larger numbers of DALI-boxes.
192	Annex 8 - 13.1	It is mentioned here that Enexis will choose, in case of a failure, whether a unit will be replaced or repaired. To our opinion this choice should be made by the supplier	In Articles 13.1 and 13.2 "as Enexis chooses" will be replaced by "to be decided by Enexis and SUPPLIER".
193	Annex 8 - 13.1	We would like to discuss in a later stage the consequential damages:, we are not responsible for any consequential damages, especially not for loss of profit or reputation losses, damages due to downtimes or additional costs, regardless of what legal grounds they are based on. This limitation does not apply in cases of wilful or grossly negligent conduct, or in the case of a maliciously concealed defect or in case a guarantee of condition had been given.	Liability, also related to articles 13.1 and 13.2, is always limited to the conditions set out in Article 18 of the Framework Agreement.

194	Annex 8 - 13.1 Batch and epidemic failure	During the warranty period as stated in Clause 11.1, [SUPPLIER] warrants that if (a) the failure rate for the DALI-boxes of a serie, lot, batch or other separately distinguishable group ('Batch') exceeds 2% per calendar year, and (b) this failure rate is due to the same root cause ('Batch Failure'), In the case of a Batch Failure- [SUPPLIER] must, in consultation with Enexis, as soon as possible and at his own expense, repair or replace, as [SUPPLIER] Enexis-chooses, all DALI-boxes supplied to Enexis of that Batch which display such a Batch Failure. [SUPPLIER] shall have the right to identify the smallest identifiable sub Batch so affected. The Parties agree that the DALI-boxes will only be recalled after careful examination of the DALI-boxes-containing a Batch Failure. Both parties will enter into good faith discussions in order to find another, potentially more favorable solution for both parties than the replacement of an entire Batch. [SUPPLIER] must also compensate Enexis for the reasonable and verified costs all loss and damage incurred by Enexis- including, but not limited to, all costs and damage related to recalling, de-installing and re-installing the DALI-boxes from the field (whether defective or not), in connection with the Batch Failure up to the maximum amount of EUR 50 per DALI-box. Further claims for costs or damages are expressly excluded.	Article 13.1 will be changed to: SUPPLIER warrants that if a failure rate for the DALI-boxes of a serie, lot, batch or other separately distinguishable group exceeds 1,5% of the ordererd quantities per calender year, and if this failure is due to the same root cause, SUPPLIER will in consultation with Enexis, as soon as possible and at his own expense, repair or replace, to be decided by Enexis and SUPPLIER, all DALI-boxes supplied to Enexis which display such a Batch Failure. The Parties agree that the DALI-boxes will only be recalled after careful examination of the DALI-boxes containing a Batch Failure. [SUPPLIER] must also compensate Enexis for all loss and damage incurred by Enexis including, but not limited to, all costs and damage related to recalling the DALI-boxes from the field (whether defective or not), in connection with the Batch Failure. Liability in accordance with Article 18.
195	Annex 8 - 13.2	We would like to discuss in a later stage the consequential damages:, we are not responsible for any consequential damages, especially not for loss of profit or reputation losses, damages due to downtimes or additional costs, regardless of what legal grounds they are based on. This limitation does not apply in cases of wilful or grossly negligent conduct, or in the case of a maliciously concealed defect or in case a guarantee of condition had been given.	Liability, also related to articles 13.1 and 13.2, is always limited to the conditions set out in Article 18 of the Framework Agreement.
196	Annex 8 - 13.2	What is the legal definition of 'Epedemic deffect' according to Enexis?	Please look at the answer to question 191 for the Enexis definition.
197	Annex 8 - 13.2 Batch and epidemic failure	In the case of an Epidemic Defect [SUPPLIER] must, in consultation with Enexis, as soon as possible and at his own expense, repair or replace, as Enexis chooses, all DALI-boxes supplied to Enexis which display such an Epidemic Defect. The Parties agree that the DALI-boxes will only be recalled after careful examination of the DALI-boxes containing an Epidemic Defect. [SUPPLIER] must also compensate Enexis for all loss and damage incurred by Enexis including, but not limited to, all costs and damage related to recalling the DALI-boxes from the field (whether defective or not), in connection with the Epidemic Defect.	Agreed. Article 13.2 will be removed.
198	Annex 8 - 13.3	What is the legal definition of 'Batch failure' according to Enexis?	Please look at the answer to question 191 for the Enexis definition.

199	Annex 8 - 14.1 Verification of performance	Enexis or its representative shall at all times be entitled to verify and/or audit that [SUPPLIER] complies with the requested quality of the Goods products and/or the quality assurance system for the production and/or distribution of the Goods. Enexis is therefore entitled to perform quality inspections and tests, and Enexis must therefore be granted access to [SUPPLIER]'s production facilities which are used for the Goods and its-suppliers. [SUPPLIER] shall, to the maximum reasonable extent and upon timely request from Enexis, provide the information from its suppliers if and to the extent necessary for such inspections. [SUPPLIER] shall, to the maximum reasonable extent, co-operate with Enexis and provide the facilities that are necessary for such inspections. The associated costs shall be borne by [SUPPLIER], except for the (wage, travelling and accommodation) expenses of (staff of) Enexis and/or third parties hired by Enexis. Enexis will give [SUPPLIER] a reasonable time to organize the visit and the number of audits will be limited to a maximum of once twice a year.	Article 14.1 will be changed to: Enexis or its representative shall at all times be entitled to verify and/or audit that [SUPPLIER] complies with the requested quality of the Goods and/or the quality assurance system for the production and/or distribution of the Goods. Enexis is therefore entitled to perform quality inspections and tests, and Enexis must therefore be granted access to [SUPPLIER]'s production facilities which are used for the Goods. [SUPPLIER] shall, to the maximum reasonable extent and upon timely request from Enexis, provide the information from its suppliers if and to the extent necessary for such inspections. [SUPPLIER] shall, to the maximum reasonable extent, co-operate with Enexis and provide the facilities that are necessary for such inspections. The associated costs shall be borne by [SUPPLIER], except for the (wage, travelling and accommodation) expenses of (staff of) Enexis and/or third parties hired by Enexis. Enexis will give [SUPPLIER] a reasonable time to organize the visit and the number of audits will be limited to a maximum of twice a year.
200	Annex 8 - 16.2	Dient de lijst al bij het indienen van de tender aangeleverd te worden, of later in het proces? Translation by Enexis: Should the list be already provided when submitting the tender, or later in the process?	This list will be completed at the implementation of the contract. So after granting the contract as a result of the European Tender.
201	Annex 8 - 17.1 Penalty	If the Supplier is unable to make the delivery within the agreed delivery time for reasons attributable to [SUPPLIER] provided that (a) a grace period of 14 days has expired since the original or extended delivery date; and (b) Enexis has so notified the Supplier without undue delay, a penalty clause will come into effect . This will consist of a penalty of 1 2% of the total price of the DALI-Boxes Distribution Automation Light-boxes which have not been delivered on time, at the start of each week of delay.	This change request is not accepted.
202	Annex 8 - 17.2	The maximum penalty should be 5%	This change request is not accepted.
203	Annex 8 - 17.2 Penalty	The penalty as meant in the first section of this clause will not be more than 10% of the price of the DALI-Boxes which have not been delivered on time relevant price/order. The penalty is an addition to Enexis's other rights. The payment of this penalty constitutes Enexis' sole and exclusive remedy in case of such delay and shall be to the exclusion of any further claims.	This change request is not accepted.
204	Annex 8 - 17.3 Penalty	Clauses 17.1 will not come into effect if the delay in delivery is caused by Enexis, third parties and/or by force majeure, which covers in particular but not limited to including, strike, lockout, industrial dispute (whether involving its own workforce or a third party's), war, riot, civil disorder, fire, explosion, flood, earthquake, tsunami, adverse weather conditions, accident, breakdown of plant or machinery, government intervention, default of suppliers or subcontractors . In such case, [SUPPLIER] will be granted a reasonable time extension.	This change request is not accepted.

205	Annex 8 - 17.4 Penalties	Article 16.4 GPC is replaced by the following: Enexis will have the right to claim performance of the Purchase Order or to instruct third parties to perform the Purchase Order in whole or in part for the account of the Other Party subject to having granted another grace period of thirty (30) days by registered letter during which the Other Party again failed to remedy the delay, if the penalties as provided for delay have reached the maximum of 10% of the DALI-boxes which were not delivered in time. The right to compensation as referred to in 16.3 will not prejudice Enexis' right to claim performance of the Purchase Order Agreement, or to instruct third parties to perform the Purchase Order Agreement in whole or in part for the account of the Other Party. All costs reasonably incurred and verified by Enexis in connection with the replacement of Supplier by this third Party or these third parties are borne by Supplier, subject to the limitation of liability agreed.	This change request is not accepted.
206	Annex 8 - 18	Can be accepted, however consequential damages and claims from third parties can not be accepted.	This change request is not accepted.
207	Annex 8 - 18.1 Liability	The total liability of [SUPPLIER] as stipulated in Clause 15 GPC is limited to the lower of 100% of the annual turnover under this Agreement or € 2.500.000,00 (two million five hundred thousand euros). The liability of [SUPPLIER] includes the penalties for delay as stated in Clause 17 of this Agreement and the costs related to restoring the supply of energy and costs of personnel of Enexis in relation to placing and connecting generators and other activities related to this the costs for recalling, de-installing and re-installing the DALI-boxes, which shall be limited to EUR 50 per DALI-box. This liability does not include and [SUPPLIER] shall not be held liable for lost profits, loss of revenue, interruption of operation and/or operating losses, increased costs or loss of anticipated savings or loss of anticipated savings, loss of data or any other consequential damages.	Annex 8, Article 18.1 will be modified to: Liability of [SUPPLIER] as stipulated in Clause 15 of the GPC is limited to an amount of € 2.500.000,00 (two million five hundred thousand euros). This liability does not include lost profits, loss of revenue, interruption of operation and/or operating losses, increased costs or loss of anticipated savings or loss of anticipated savings or any other consequential damages. Costs related to the replacement of energy supply and costs of personnel of Enexis are, in case of liability under Clause 15.1 of the GPC, the liability of the [SUPPLIER].
208	Annex 8 - 18.3	Is Enexis prepared to take out this clause, as damage from third parties can be considered indirect damages?	This change request is not accepted.
209	Annex 8 - 18.3 Liability	[SUPPLIER] will indemnify Enexis against the following outside contractual claims from third parties, in connection with the performance of the Framework Agreement and/or Order(s), among the stipulated in GPC Clause 12, insofar as they are caused by failure to comply with its contractual or legal obligations by [SUPPLIER]: (i) claims from third parties as stipulated in GPC Clause 12, or (iii) damages to tangible property of such third parties negligently caused by [SUPPLIER] during the execution of the Framework Agreement and any Order. Each Party commits itself to take all reasonable measures at its own expense and at its discretion which can contribute to preventing stagnation and to limiting the extra costs to be incurred or damage to be suffered as a result of any claim by third parties.	This change request is not accepted.
210	Annex 8 - 18.4	Under 18.4 of annex is written "... Is liable under the common law principles of liability" We assume the Dutch law is meant here, please clarify.	Correct. Here is meant the Dutch Law.

211	Annex 8 - 18.5	Paragraph 18.5 describes an unlimited risk, because the amount which is stipulated in paragraph 18.1 is not applicable for paragraph 18.3 and 18.4. This risk is disproportionately and therefore not insurable. We request to change paragraph 18.5, so the maximum liability of 2,5 mio is also applicable on paragraph 18.3 and 18.4	This change request is not accepted.
212	Annex 8 - 19.2 Insurance	The [SUPPLIER] has adequately insured itself for its own account and will remain adequately insured for business third party liability, including (product) liability for personal injury or damage to tangible property damage to persons or Goods-owned by Enexis or a third party.	This change request is not accepted.
213	Annex 8 - 19.3 Insurance	The [SUPPLIER] upon request of Enexis and at its own expense, shall immediately present (a certified copy of) the policy and proof of payment of contributions in respect of the insurance referred to in 19.1 or a declaration by the insurer on the existence of these insurance referred to in 19.2 . The [SUPPLIER] will not terminate or alter the Insurance Agreement concluded by or on behalf of it without the prior written permission of Enexis. Whenever the conditions of a new or modified insurance do not modify in disadvantage to Enexis, the written permission of Enexis is not necessary.	Article will be changed accordingly.
214	Annex 8 - 20.2	Dient de lijst al bij het indienen van de tender aangeleverd te worden, of later in het proces? Translation by Enexis: Should the list be already provided when submitting the tender, or later in the process?	The non-disclosure agreement will be arranged in a later in the process. When signing the contract, this document will also be signed.

215	Annex 8 - 21.2 Termination, applicable law, disputes	21.2 The last bullet of Clause 18.1 GPC is replaced by the following: We will give a reasonable cure period beforehand if the Agreement is suspended due to a violation of the regulations as provided for in Clause 19 GPC. Clause 18 GPC is replaced by the following: Dissolution Termination 18.1 Enexis will have the right to dissolve terminate the Agreement affected Order with immediate effect if: ☐ the Other Party is declared bankrupt or granted a suspension of payments or if the Other Party's business is suspended, liquidated or is in a similar situation; or ☐ the Other Party is in default; or ☐ an Enexis employee is offered any benefit by the Other Party or a member of its Personnel; or ☐ the situation of the non-attributable failure on the part of the Other Party lasts for more than 30 days; or ☐ the Agreement is suspended due to a violation of the regulations as provided for in Article 19. we will give a reasonable cure period beforehand if the Agreement is suspended due to a violation of the regulations as provided for in Clause 19 GPC. 18.2 Enexis will have the right to terminate the Agreement subject to having granted another grace period of thirty (30) days by registered letter during which the Other Party again failed to remedy the default, if: ☐ the other Party is in default; ☐ the penalties as provided in Clause 17 of the Framework Agreement have reached the maximum of 10% of the DALI-boxes which were not delivered in time. 18.2-3 Dissolution Termination will be effected by means of a registered letter or a bailiff's notification to the Other Party.	This change request is not accepted.
216	Annex 8 - 21.4 Termination, applicable law, disputes	Clause 23.3 GPC is replaced by the following: In derogation from the previous paragraph, Enexis may decide that disputes will be submitted to an institute for alternative dispute settlement, with the exclusion of the ordinary courts. Such alternative dispute settlement shall take place under the Rules of Arbitration of the International Chamber of Commerce, Paris, by three (3) arbitrators appointed in accordance with the said Rules. The seat of alternative dispute resolution shall be Amsterdam, Netherlands. The language to be used in the arbitration proceeding shall be English.	This change request is not accepted.

217	Annex 8 - 22 Industrial and intellectual property rights	The parties agree that a transfer of industrial and/or intellectual property rights will not take place. At all times [SUPPLIER] retains all rights, title and interest in and to any trade mark, copyright, patent or patent application, know-how, design, utility model, brand name and any other industrial or intellectual property or right of a proprietary nature (whether registered or unregistered) in or connected to the Goods and the manufacture of the Goods (including [SUPPLIER]'s technology, know-how and processes used in the manufacture of the Goods) and to any reports, manuals, specifications or materials prepared or made available by [SUPPLIER]. Article 12.4 GPC is replaced by the following: If and to the extent the Parties agree in writing that a transfer of industrial and/or intellectual Property rights will not take place, the Other Party grants Enexis a non-exclusive and a non-transferable user right for the unlimited-agreed use of the Goods or Services that have been provided. Enexis will have the right to further develop the relevant Services or Goods for its own use, with the aid of third parties or otherwise, after prior written approval by the Other Party. The Other Party will not refuse to grant said approval on unreasonable grounds.	This change request is not accepted. Industrial and Intellectual property rights are sufficiently dealt with in Article 12 of the GPC and Article 9 of the Framework Agreement.
218	Annex 8 - 6 Prices	Concerning the fixed price, is ENEXIS expecting the selected vendor to commit on a minimum price or shall it remain a best-effort target?	Enexis expects from the supplier one (fixed) price per each requested item (see Annex 12). These prices will be valued in the awarding model. And these prices will be used during the initial period of the contract.
219	Annex 8 - 8.3 Delivery	As soon as [SUPPLIER] knows or ought to know that it will fail to comply with the Agreement, it shall be obliged to notify Enexis thereof immediately in writing while stating the reason(s). If delivery is not made in time or not at all, [SUPPLIER] is in default by operation of the law. Without prejudice to the right of Enexis as set forth in GPC Clause 18 Termination, Imputable non-performance, Non-imputable non-performance, the Parties shall consult with each other whether, and if so, in which manner, the risen situation may yet be settled to the satisfaction of Enexis.	This change request is not accepted.
220	Annex 8 - 8.5	Dient het ontwerp al bij het indienen van de tender aangeleverd te worden, of later in het proces? Translation by Enexis: Should the draft be already provided when submitting the tender, or later in the process?	The checklist as requested in this Article, will be part of the execution of the contract. So it is not necessary to submit a draft version of the checklist with the Tender.
221	Annex 8 - page 5	Technical specifications, design modifications and/or changes. Modifications: Does this involve also HW changes?	This Article concerns any change to the design, so also any Hard-Ware changes.
222	Annex 8 - page 5	Term of the agreement. Is it so that the term of delivery of the quantity of 4000 can be extended to 2 more years or is it so that there can be 2 years more supply of each 4000 pieces?	Enexis estimates that during the initial periode of the contract (1st year) 4000 DALI-boxes will be ordered. Optionally the contract can be prolonged with 2 times 1 year. Enexis estimates that also in the 2nd and 3rd year of the contract 4000 DALI-boxes (per year) will be ordered. Keep in mind that these are estimates. No rights can be derived from these quantities.
223	Annex 8 - page 5	Which is the term for payment on the invoice send by the supplier?	Please look at page 24 of the ItT-document. In chapter 6 is mentioned: <i>100% after delivery, 30 days after receipt of the invoice. We refer to our Invoice requirements (Annex 9).</i>

224	Annex 9 - 12.3 and 12.4	Art.12.3 indicates that Enexis is entitled to all IPR in the performance of the agreement. Art.12.4 indicates that if transfer does not take place Enexis will receive a non-exclusive non-transferable Right To Use. We would like to exclude art.12.3 meaning that no transfer of IPR takes place. Instead we grant Enexis Right To Use as stated in art.12.4. Is this acceptable by Enexis? If not, how will Enexis compensate the supplier for the investments done and to be done?	Please refer to Article 9 of the Framework Agreement. Especially Article 9.5 covers this question.
225	Annex 9 - 8.1	According to art.8.1 Enexis is not obliged to pay until the agreement has been performed. Considering the delivery will be based on a frame agreement this art. 8.1 can be interpreted in several ways. How shall we interpret this article in relation to the Frame Agreement? Can Enexis confirm that payment will take place after a order/batch has been delivered?	This is correct. Enexis will pay after each order/batch delivery, 30 days after receipt of the invoice.
226	Annex 9 - Financial Capacity	If there is a consortium do both parties need to uphold the requirements or the consortium as a whole?	Only the Lead Party has to uphold the requirements.
227	Contract Notice - Utilities	De totale contract-waarde wordt door u ingeschat tussen €3.000.000 en € 4.000.000,= Hoe worden inschrijvingen buiten deze bandbreedte door u beoordeeld? Translation by Enexis: The total contract value is estimated by you between € 3,000,000 and € 4,000,000, = How are subscriptions outside this bandwidth you reviewed?	All subscriptions will be reviewed as described in paragraph 5.3 of the ItT-document (w.r.t. the evaluation of the price in the total awarding model).
228	General	Is er de mogelijkheid om de inschrijvingsdocumenten in het Nederlands aangeleverd te krijgen? Of is antwoorden in het Nederlands voldoende? Translation by Enexis: Is there the possibility to get tender documents in Dutch? Or are answers in Dutch sufficient?	No, the tender documents are not available in the Dutch language. Answering in Dutch is allowed/sufficient.
229	General	Is inserting and declaration of the SIM-card in the 4G router part of the scope?	Yes. SIM cards will be provided by Enexis, logistic details will be discussed after vendor selection.
230	General	Four companies have been involved in a pilot of DALI. As a result of this these companies have a significant advantage compared to other suppliers. The timeline of the tender is short which result in the following: a. the suppliers in the pilot have already existing solutions or at least significant more time for development, b. the suppliers in the pilot are able to optimize their solution for cost which result in lower TCO. In our opinion Enexis should extend the timeline of the tender to achieve a level playing field for other suppliers. Is it possible to extend the period between phase 2 and 3 with 3 months which allows other suppliers to produce a DALI Demo solution?	Due to the very tight planning of this Tender we cannot extend the period between phase 2 and 3. Furthermore Enexis has already done everything possible to ensure a level playing field by publishing the pilot information at the end of the pilot. Moreover the specifications have substantially changed compared to the pilot.
231	Open question	The answer format of the tender does not allow supplier to give insight in the specifications, characteristics and/or added value of the proposed solution of supplier. The proposed solution might foresee in functionality not required by Buyer, which could still be of value. Is buyer willing to add a field which allows supplier to describe its solution and highlight its added value?	The Candidate can always add information in the subscription. This can be done e.g. by means of a guiding letter. This information will be read, but will not be awarded in the awarding model.
232	Tender document	Triggered by earlier questions, could you confirm that even if only one of the Minimum Requirements cannot be fulfilled, that the offer will be directly excluded from the tender process.	Correct. If even one of the Minimum Requirements (MR's) is not met, the offer will immediately be excluded from the tender process.
233	Tender document - 3.1	Is it possible to extend the Submission date for the tender with one month? Time between receipt of MoI and submission of the tender is only 2 weeks.	Enexis will send out the 2nd MoI earlier than planned, far before the original scheduled date of 23-09-2016. Also the date for submitting the Tenders will be moved to Wednesday October 12th, 12.00h CET.

234	Tender document - 3.1	Looking at the requested features, especially the GSM, in relation to the desired unit price, we think that a partly new and altered design of RTU units is necessary. This is not possible within the requested demo phase 3 timeline. Is it possible to look at that timeline again after evaluation of the question round?	Due to strict planning of the Tender this is not possible.
235	Tender document - 3.1	On the 23rd of september we will receive de Memorandum of Information which provides all the answers to our questions. We can imagine that new questions may arise as a result of your answers. Therefore, we kindly ask you to allow another Information round.	The time between sending out the 2nd Mol and the submission date is already very tight. So to prevent any other changes to Tender documents Enexis cannot allow another information round.
236	Tender document - 3.1	According to the planning there is a date for signing the frame agreement and a data for starting the frame agreement. What is the contract starting date?	The contract starting date will be September 1st, 2017. This is the current planning. If there will be delays in the Tender Process, the start of the contract can be delayed as well.
237	Tender document - 3.1	De tijd tussen de ontvangst van de antwoorden op de vragen en het inleveren van de tender is naar ons inziens te kort om de antwoorden te kunnen verwerken in de beantwoording. Aanbieder zou graag deze periode verlengd zien met met 2 weken tot in totaal 4 weken. Is aanbesteder daarmee akkoord. Translation by Enexis: The time between the receipt of the answers to the questions and the submission of the tender is in our opinion too short to handle the answers in the proposal. Tenderer would like to see this period extended with a period of 2 weeks to a total of 4 weeks. Can contracting authority agree with this proposal?	Enexis will send out the 2nd Mol earlier than planned, far before the original scheduled date of 23-09-2016. Also the date for submitting the Tenders will be moved to Wednesday October 12th, 12.00h CET.
238	Tender document - 3.11.1	Paragraph 3.11.1 refers to Annex 15 for the signing but a signed scan of Annex 23 has to be added. In the available tenderdocuments and the checklist the signing document is numbered as Annex 23. We assume this is an error in the Invitation to Tender. Can you confirm this?	No, the ItT-document is correct. By signing Annex 15 (European Single Procurement Document) Candidate declares to have lawfully signed all the submitted documents for the application and to comply with all the Minimum Requirements set forth in the Invitation to Tender. Annex 23 <u>also</u> has to be signed and submitted with the subscription. Goal of annex 23 is to be sure that the person who has signed the documents, is legally authorized to sign.
239	Tender document - 3.11.1 Signing	Please confirm, that it should be Annex 23 instead of Annex 15 in the first line of this paragraph.	No, the ItT-document is correct. By signing Annex 15 (European Single Procurement Document) Candidate declares to have lawfully signed all the submitted documents for the application and to comply with all the Minimum Requirements set forth in the Invitation to Tender. Annex 23 <u>also</u> has to be signed and submitted with the subscription. Goal of annex 23 is to be sure that the person who has signed the documents, is legally authorized to sign.
240	Tender document - 3.13.3	Wordt er na de assessmentperiode nog gelegenheid geboden om aanpassingen te doen op basis van de bevindingen? Translation by Enexis: Is there an opportunity after the assessment period to make adjustments based on the findings?	No, this is not allowed.

241	Tender document - 3.13.3	In de planning wordt aangegeven dat op 22 februari de resultaten van de demo assessment worden gecommuniceerd. In de beschrijving van de demo assessment wordt aangegeven dat op 20 februari een additionele assessment wordt gestart voor een periode van 6 weken. Dit lijkt qua planning niet met elkaar in overeenstemming. In de additionele assessment eist Enexis drie DALI-boxen. Kan de ingangsdatum van de additionele assessment worden opgeschoven zodat de leverancier de gelegenheid krijgt om de drie DALI-boxen te produceren. Translation by Enexis: The schedule indicates that the results of the demo assessment will be communicated on February 22. In the description of the demo assessment is indicated that an additional assessment is started on February 20 for a period of 6 weeks. This planning is inconsistent with each other. For the additional assessment Enexis requires three DALI boxes. Can the date to start the additional assessment be extended, so the supplier will have the opportunity to produce the three DALI boxes.	Stated date in annex 11 for additional assessment (starting 20 February) is not correct. Please refer to to planning stated in Tender document paragraph 3.13.3 (27 February 2017 - 09:00). Due to strict planning of the Tender, more time to produce the mentioned three DALI-boxes is not possible.
242	Tender document - 3.13.3	In the 'tenderdocument' - DA Light box V1 00 Final pag. 13 Date is in the past, what is the correct date?	The correct phrase is: "especially in the period of 27-2-2017 until 14-4-2017".
243	Tender document - 3.3	"Annex 12 Information Notice" moet denk ik zijn: "Annex 14 Information Notice" Translation by Enexis: "Annex 12 Information Notice" should I think be: "Annex 14 Information Notice"	Correct, this should be Annex <u>14</u> Information Notice
244	Tender document - 3.6	Wat dient er concreet (papieren versie?), naast de e-mail aan de heer Scheeren, in Den Bosch nog te worden afgegeven voor 12:00 uur op 7-10-2016? Translation by Enexis: What should concretely (paper version?), In addition to the e-mail to Mr. Scheeren, yet to be issued in Den Bosch 12:00 on 7-10-2016?	Enexis would like to receive <u>no</u> original (paper) version, but <u>only</u> one digital version by email to the email address of Mr. Scheeren.
245	Tender document - 3.8.2	Can Enexis explain how they have determined the maximum compensation amount of EUR 20.000,-?	With this compensation amount Enexis would like to (partially) compensate in the costs for the building of the DEMO-boxes.
246	Tender document - 4.2/4.3.1	Is it correct that the evidence stated in par. 4.3.1 for Dutch candidates is provided by providing the Self Declaration form (as indicated in par. 4.2) and the Certificate of Good Conduct (GVA)? If not correct: can you please provide additional instructions in providing the Certificate for Procurement as indicated in the evidence table of par 4.3.1?	This is correct.
247	Tender document - 4.3.1 and 4.3.2	In case of a Consortium or Main-/subcontractor(s) do all the parties need to deliver a separate Certificate of Good Conduct or only the Lead party or Maincontractor?	Only the Lead Party or Main-contractor
248	Tender document - 4.3.1 Evidence	Is Certificate of Good Conduct (GVA) required from foreign candidates?	No. You can read in paragraph 4.3.2 of the ITT-document which means of proof Enexis can except from foreign candidates.
249	Tender document - 4.3.2 Means of proof for foreign candidates	Is 'statement issued by judicial or government body' generated electronically (by this authority) sufficient or has it to be a paper document ?	A electronically generated document is also accepted. Enexis has the right to check the authenticity of the document.
250	Tender document - 4.4	In case of a Consortium or Main-/subcontractor(s) do all the parties need to meet the minimum requirements (financial, economic and insurance) or only the Lead party or Maincontractor?	Only the Lead Party or Main-contractor
251	Tender document - 4.4.1 and 4.4.2	Please clarify what do you mean as annual reports? Are: - Balance sheets, - Profit and loss accounts, - Certified Auditor's Opinions and Reports sufficient to fulfill the requirement of presenting the proof of the accuracy of filled in numbers?	Yes, these documents will be accepted if certified by an auditor.

252	Tender document - 4.4.2	Financial independency: Do both parties of a consortium enter financial data?	No, only the Lead Party
253	Tender document - 4.4.3	Insurance, does both parties have to have this declaration, is it a Minimum requirement?	No, only the Lead Party
254	Tender Document - 4.5	Does ENEXIS consider products with metering functionalities (for instance terminals equipped with diverse communication port & relays) as an RTU ?	This is accepted as far as requirements are met.
255	Tender document - 4.5 / point 2	The (proposed) product needs will be tailor-made to Enexis' specifications. Candidate reads the required reference of maturity as the maturity of the baseline technology and key components to be used in the final product for Enexis. Can you confirm this?	Enexis is aware of the fact that for newly developed systems no reference can be delivered by tenderer. So the requirement for reference of adult systems is not any more applicable and will be cancelled by Enexis. Article 4.5.1 - 2 of Tender document is cancelled.
256	Tender document - 4.5.1	Binnen deze paragraaf vraagt u naar referenties. Referenties, welke door u worden gekwalificeerd als "mature". (volwassen) 1. Hoe ziet u in deze context "nieuw ontwikkelde" embedded systems? 2. Hoe ziet u in deze context de toepassing van LTE 4G cat 1 Translation by Enexis: Within this section you ask for references. References, which are qualified by you as "mature". (adult) 1. How do you see in this context "newly developed" embedded systems? 2. How do you see the use of 4G LTE cat 1 in this context	Enexis is aware of the fact that for newly developed systems no reference can be delivered by tenderer. So the requirement for reference of adult systems is not any more applicable and will be cancelled by Enexis. Article 4.5.1 - 2 of Tender document is cancelled.
257	Tender document - 4.5.1	Van de aangeboden oplossing dienen minimaal 50 stks geleverd te zijn. Geldt dit voor de complete samenstelling, de RTU of van ieder gebruikt component? Translation by Enexis: Minimal 50 pieces of the offered solution should be already delivered. This applies to the entire composition, RTU or any component used?	Enexis is aware of the fact that for newly developed systems no reference can be delivered by tenderer. So the requirement for reference of adult systems is not any more applicable and will be cancelled by Enexis. Article 4.5.1 - 2 of Tender document is cancelled.
258	Tender document - 4.5.3	4.5.3 Refereert naar annex 5? Klopt dit ? Annex 18? Translation by Enexis: 4.5.3 Refers to annex 5? Is this correct ? Annex 18?	4.5.3. should indeed refer to Annex 18.
259	Tender document - 5.1	Wat is in uw ogen een faire, competitieve marktprijs? In welke mate accepteert uw inkoopmodel, grote afwijkingen avn het gemiddelde prijspeil? Graag antwoord op beide vragen. Translation by Enexis: What is a fair, competitive marketprice? To what extent does your purchasing model accept large deviations from the average price level? Please answer both questions.	Enexis will not mention what we think is a fair, competitive price. It's up to the Candidates to offer their best price. All offered prices (Annex 12 Reply format - Price Sheet), also deviating ones, will be evaluated/awarded as described in paragraph 5.3 of the ItT-document. Manipulative or unrealistic prices are not allowed.
260	Tender document - 5.1	Why is the remark 'In case the framework on the second place etc.' made? Does this mean that the outcome of the assessment of Phase 3 doesn't guarantee an adequate DALI solution?	If, for whatever reason, the Framework Agreement will be terminated before the complete duration of the contract, Enexis will have the possibility to contract the Tenderer which has ended on the second place etc. Termination of the contract can occur because of various reasons, most of them can be found in Annex 8 and Annex 9.
261	Tender document - 5.3	The box price has to be based on a volume of 4000 boxes. What is the minimum order quantity of the DALI box (year 1, year 2 and year 3)?	As described in paragraph 7.4 the minimum order quantity will be 200 pcs.

262	Tender document - 5.3 - 5.5	Assesment-proces; Uw technische inhoud ter uitnodiging om deel te nemen aan de DALI-tender, bestaat in onderdelen uit toekomstige technologieën. Toch beoordeeld u de technische aspecten in een latere fase, en wordt er in eerste instantie sterk beoordeeld op basis van TCO. Vanuit onze ervaring met eerdere Enexis-tenders, zien wij dit als een potentieel risico voor het verdere verloop van uw tenderproces. Ons advies is om de volgorde van assesment te veranderen. Bent u hier toe bereid? Uw technisch risico is minstens net zo groot als een commercieel risico! Translation by Enexis: Assessment Process; Your technical content in the invitation to participate in the DALI-tender, is based on parts from future technologies. Yet you review the technical aspects at a later stage, and is primarily rated on the basis of TCO. From our experience with previous Enexis tenders, we see this as a potential risk for the rest of your tender process. Our advice is to change the order of assessment. Are you willing to do so? Your technical risk is at least as large as a commercial risk!	By allowing the 10 best TCO scoring Tenderers, Enexis is of the opinion that the emphasis is not on TCO, but on selecting a fair number of Tenderers for Phase 2. These 10 Tenderers give a good average regarding TCO and Technical specifications.. Furthermore in phase 2 of the Tender only 30% (of 100%) is dedicated to evaluation of the TCO. So 70% is dedicated to evaluate Technical Specifications, Userfriendliness and Security Specifications.
263	tender document - 5.4.1	We recognize User friendliness as an important awarding criterion. However, the tender documents do not state specific requirements. What does Enexis consider user friendliness requirements and what are the awarding criteria? Please clarify.	Please refer to annex 12 - annex 1 (Additional Awarding Criteria ItT phase III – Demo-assessment).
264	Tender document - 5.5 Award Criteria Phase 3	The scoring versus weighting of the demo assesment differs from the other criteria, is this correct?	Max. Demo assessment score (200) will result in a weighed score of 35 points and NOT in a weighed score of 70 points.
265	Tender Document - 7.7	We understand it is difficult for ENEXIS to precisely estimate the quantities related to this DALI-project. However would you be able to commit on a minimum volume of DALI-Boxes to be ordered? Globally (all project long)? Yearly?	No. Enexis cannot commit on a minimum volume. But our best estimates are that we will quantities in the range of 4000 pcs (in the 1st year). The same goes for the 2nd and 3rd year of the agreement.
266	Tender document - 7.7	What is the Minimum Order Quantities (MOQ) ?	As described in paragraph 7.4 the minimum order quantity will be 200 pcs.
267	Tender document - 8.1	The initial duration of the contract is only one year, can Enexis explain how they come to this decision?	Since the DALI-box is a complete new component in the Enexis network and the developments regarding Distribution Automation are going very fast, Enexis would like to have the flexibility to change over to a new specification after the 1st year (if it turns out that Enexis is better off using another spec or a new technology is developed that Enexis would like to use in its DALI-boxes).
268	Tender document - page 18	The proposed product is a redesign of an existing product (approx. 5000 pieces in the field), is this conform 'mature product'?	Enexis is aware of the fact that for newly developed systems no reference can be delivered by tenderer. So the requirement for reference of adult systems is not any more applicable and will be cancelled by Enexis. Article 4.5.1 - 2 of Tender document is cancelled.
269	Tender document - page 18	Is appendix 5, Corporate Social Responsibility the document provided as annex 18? Please clarify.	This is correct. In paragraph 4.5.3 of the ItT-document should be referred to Annex 18.
270	Tender document - page 25	Mass delivery starts on 1-9 with a 1st delivery of approx. 400 units. When is the order issued and therewith the exact amount known? Please clarify.	The order will be issued directly after signing the framework agreement (approx. end of May 2017). The order will incorporate 400 pieces.
271	Tender document - page 25	Mass delivery starts on 1-9 with a 1st delivery of approx. 400 units. It is not clear from the text whether the lead-time to delivery of 8 / 10 / 12 weeks also applies for this first batch. Please clarify.	The order will be issued directly after signing the framework agreement (approx. end of May 2017). The order will incorporate 400 pieces.
272	Tender document - page 7/28	Is it correct that the qty of DALI boxes is minimal 4000 and this can be extended three times, possible total of 12.000?	The <u>expected</u> estimated quantities are 4.000 pcs in the 1st year. This can optional be extended <u>two</u> times, resulting indeed in an <u>estimated</u> possible total of 12.000 pcs.
273	Tenderdocument - 5.5	Assesment methode for phase 3 is not correct. The maximum score is 135 instead of 100. Because the demo assesment has a max of 200 points with a weight of 35% (max 75 points). Please clarify?	During demo-assessment we have more items to award. This is why more points are applicable (total 200 points). This has however no impact on the total score, as the weight factor for demo-assessment is set on 35%. So 200 points in demo-assessment will lead to 3,5 points added in total score.

Footnote *1:

Explanation on the use of FTPS, SFTP and secured communication by Enexis

On the use of the terminology

In the Tender we used both the terms SFTP and FTPS. We regret the confusion caused by using both terms. In both cases we mean the use of FTP secured with TLS according to RFC-4217.

On the use of a secure tunnels

Annex 5 (security requirements) gives 3 options for securing communications (tunneling, TLS or application level encrypting). However, the chosen roll-out process as described in chapter 1.6.2 of Annex 2 requires the use of a VPN-tunnels after the initial commissioning for all traffic. As a result of this the following applies:

- During commissioning (when no secure tunnels are available), traffic has to be secured by any of the three means mentioned in Annex 5 (tunneling, TLS or application level encrypting)
- After commissioning, all traffic is routed through the secure tunnels (in this case tunneling is the only option)

On the use of TLS encrypted protocols after the commission process

Since secure VPN-tunnels are required to be set up (1.6.2 of Annex 2), there is no immediate need or requirement for the use of TLS secured protocols (e.g. FTPS as described above). This is reflected in the answer of the relevant questions. However, the use of TLS secured protocols is still preferred by Enexis.