

**Annex C – Supplier’s offer and solution**

**Software for carrying out the annual LPIS QA
including ETS, MTS, and user support**

This document contains the bidder's complete solution and has the following sections:

1. Information on the bidder
2. Information on enclosed annexes
3. Price
4. Tender conditions response and solution description
5. Reservations
6. Confidential parts of the offer
7. Other information

*[Guide to the Annex:*

*The bidder completes this annex.*

*Brochures, data sheets, etc. that form an appropriate supplement to the solution description can be attached to this annex.*

*Before the bidder completes this annex, all guides written in italics and brackets are removed.]*

# Information on the bidder

*[Guide to this section:*

*Here information is provided for identification of the bidder.*

*If the bidder participates as one company, the bidder must complete point a. If the bidder participates as a consortium, the bidder must fill in point b and Annex D - Consortium Declaration including signature and date.*

*The supplier must indicate who the contact person is in connection with the tender.*

*The supplier must indicate who the project manager is during the performance of the contract. The project manager is also a contact person during the accomplishment of the contract.*

*Before the bidder completes this section, all guides written in italics and brackets are removed.]*

1. **The supplier is one company**

|  |  |
| --- | --- |
| ***Company name*** |  |
| ***Address*** |  |
| ***Country*** |  |
| ***Company registration number (VAT-number)*** |  |
| ***Telephone number*** |  |
| ***E-mail address*** |  |
| ***Website*** |  |

1. **The supplier is a consortium**

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| --- | --- |
| ***Common authorized representative of the consortium*** |  |

*[Please also fill in Annex D – Consortium declaration]*

**Contact person regarding the tender**

|  |  |
| --- | --- |
| ***Name og title*** |  |
| ***Company (e.g. company in consortium or sub-supplier)*** |  |
| ***Telephone number*** |  |
| ***E-mail address*** |  |

1. **Project manager and contact person during the performance of the contract**

|  |  |
| --- | --- |
| ***Name og title*** |  |
| ***Company (e.g. company in consortium or sub-supplier)*** |  |
| ***Telephone number*** |  |
| ***E-mail address*** |  |

# Information on enclosed annexes

*[Guide to this section:*

*Here, the bidder gives a comprehensive overview of all enclosed appendices.*

*Before the bidder completes this section, all guides written in italics and brackets are removed]*

In addition to this offer and solution, the following documents are attached as part of the offer:

*[Please provide the enclosed documents, cf. the general conditions including Annex D - Consortium declaration if relevant].*

# Price

*[Guide to this section:*

*The offered price should be provided in either Euro or Danish Kroner according to the conditions in section 7 of the contract.*

*Please choose if the prices are in Euro (EUR) or Danish Kroner (DKK) for both the ordinary contract and the options by deleting the text which is not relevant.*

*Before the bidder completes this section, all guides written in italics and brackets are removed]*

The bidder offers this yearly price for the task excluding VAT.

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| Price per year for the ordinary contract  |  | DKK/EUR |

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| Price per year for the options |  | DKK/EUR |

The offered prices have to be valid for all 3 years of the ordinary contract and all 3 years of the options, if the options are used.

# Tender conditions response and solution description

*[Guide to this section:*

*All requirements are specified in the Requirements specification by a unique number based on the section the requirement is located in. The requirements will be listed in tables which looks like this:*

*The tables with requirements are structured as follows:*

1. *Unique number of the requirement*
2. *Category shows whether the requirement is:*
	1. *Minimum requirement. If the minimum requirements are not met, the offer does not comply with the requirements and will therefore not be evaluated.*
	2. *Requirements*
3. *Textual description of the requirement (completed by the customer)*
4. *Requirement compliance*
	1. *For minimum requirements, the “Fulfillment degree” must be completed with a yes or no.*
	2. *For requirements that are not minimum requirements, "Completion rate" must be completed with either "Wholly", "Partly" or "No".*
5. *Solution Description*
6. *Reservations and comments (not an option for minimum requirements)*
	1. *If "Partly" or "No" is stated, this is a reservation that must be described unambiguously. In the event of a reservation, the reservation shall be described in the table of the relevant requirement. In section 5 all reservations shall be summarized and a justification for the reservation shall be given.*

*Fields with requirement number, category, and description are not to be changed.*

*Before the bidder completes this section, all guides written in italics and brackets are removed.]*

### Experience with LPIS QA and/or LPIS

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| **Requirement #1** | **Category: Minimum requirement** |  |
| **Requirement description:** | **Recent experience with ETS and/or LPIS** |
| The supplier is required to have current (within the last 1 – 2 years) experience with the annual LPIS QA (ETS and MTS) and/or the LPIS required under the Common Agricultural Policy (CAP). |
| **Solution description:** | **Requirement compliance:** | Yes |  |
|  | No |  |
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### Installation and users

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| **Requirement #2** | **Category: Minimum requirement** |  |
| **Requirement description:** | **No exchange of data** |
| The software must be able to operate and deliver the desired files without data exchange between the customer and the supplier. The only exception to this is when data exchange is it needed for support for the software. |
| **Solution description:** | **Requirement compliance:** | Yes |  |
|  | No |  |
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| **Requirement #3** | **Category: Minimum requirement** |  |
| **Requirement description:** | **Installing and running the software** |
| It should be possible to copy the software directly to a folder and run the software without any further installation.  |
| **Solution description:** | **Requirement compliance:** | Yes |  |
|  | No |  |
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| **Requirement #4** | **Category: Requirement** |  |
| **Requirement description:** | **Multiple users**  |
| Multiple users of the software is required (up to 10 users) e.g. by copying the software to different folders from where the different users can run the software. |
| **Solution description:** | **Requirement compliance:** | Wholly |  |
|  | Partly |  |
|  | No |  |
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| **Reservation and comments:** |  |
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### Delivery and update of the software

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| **Requirement #5** | **Category: Requirement** |  |
| **Requirement description:** | **Delivery of the software** |
| There should be an easy, secure, and quick way for the supplier to deliver the software to the customer, both initially and when updates are needed. |
| **Solution description:** | **Requirement compliance:** | Wholly |  |
|  | Partly |  |
|  | No |  |
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| **Reservation and comments:** |  |
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| **Requirement #6** | **Category: Requirement** |  |
| **Requirement description:** | **Update of the software** |
| The supplier at all times have to be up to date with the specifications and changes from the Commission and make sure that the necessary changes are made to the software. Please describe how this will be done. |
| **Solution description:** | **Requirement compliance:** | Wholly |  |
|  | Partly |  |
|  | No |  |
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| **Reservation and comments:** |  |
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### Functions etc. in the software

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| **Requirement #7** | **Category: Minimum requirement** |  |
| **Requirement description:** | **Language** |
| All the text including manuals, text in the software, etc. should be in either Danish or English. |
| **Solution description:** | **Requirement compliance:** | Yes |  |
|  | No |  |
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| **Requirement #8** | **Category: Requirement** |  |
| **Requirement description:** | **Input of relevant data** |
| It should be possible to enter all the relevant data specified by the Commission, in an easy way and with a minimum risk of error. This could include e.g. the code list for the type of area, classification of GAEC elements and areas with HV-codes (as specified in the guidelines), the cause for each type of error, etc. |
| **Solution description:** | **Requirement compliance:** | Wholly |  |
|  | Partly |  |
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| **Reservation and comments:** |  |
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| **Requirement #9** | **Category: Requirement** |  |
| **Requirement description:** | **List of non-agricultural land cover types** |
| It should be possible to expand the list of non-agricultural land cover types that the operators can choose from. So instead of choosing e.g. “Artificial sealed surface and associated areas”, the operator chooses e.g. “Building”, “Road”, etc., from the list that the customer have specified. |
| **Solution description:** | **Requirement compliance:** | Wholly |  |
|  | Partly |  |
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| **Reservation and comments:** |  |
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| **Requirement #10** | **Category: Requirement** |  |
| **Requirement description:** | **Extra alphanumerical data** |
| The customer have to be able to add extra alphanumerical data (attributes) with the data imported to the software, e.g. to include information about the gross area, pro rata percentage, or last date of editing of each of the reference parcels in the test. |
| **Solution description:** | **Requirement compliance:** | Wholly |  |
|  | Partly |  |
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| **Reservation and comments:** |  |
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| **Requirement #11** | **Category: Requirement** |  |
| **Requirement description:** | **Extra geospatial support layers and services** |
| The software should support that the customer can import many different geospatial support layers/services such as fields, GAEC-elements, ortophotos etc. The customer both need to import shapefiles and data via WMS e.g. orthophoto. |
| **Solution description:** | **Requirement compliance:** | Wholly |  |
|  | Partly |  |
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| **Reservation and comments:** |  |
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| **Requirement #12** | **Category: Requirement** |  |
| **Requirement description:** | **GIS functions** |
| The software should have the common GIS functions, preferably with the following features: * Digitisation of points and polygons - The operators should to be able to easily digitise all the relevant points and polygons as specified by the Commission
* Merging of polygons
* Splitting of polygons
* Making a hole inside a polygon
* Predefined zoom levels as well as an option to manually write a specific zoom level
* In digitization, the ability to pan without ending digitization
* An editing tool, where you can easily include and exclude one or several areas in the boundary of the polygon
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| **Solution description:** | **Requirement compliance:** | Wholly |  |
|  | Partly |  |
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| **Reservation and comments:** |  |
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| **Requirement #13** | **Category: Requirement** |  |
| **Requirement description:** | **Check for geometric overlap** |
| In the software there should be a possibility to check for geometric overlap in the digitized polygons and with a way to find the specific overlap. |
| **Solution description:** | **Requirement compliance:** | Wholly |  |
|  | Partly |  |
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| **Reservation and comments:** |  |
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| **Requirement #14** | **Category: Requirement** |  |
| **Requirement description:** | **Validations for registration errors or missing registrations** |
| The software should have validations, to make sure that actual and possible registration errors or missing registrations can be found and corrected. For actual missing or erroneous registrations, there should be a clear warning before export of xml/gml files and it should not be possible to export the files at all before this is corrected. |
| **Solution description:** | **Requirement compliance:** | Wholly |  |
|  | Partly |  |
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| **Reservation and comments:** |  |
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| **Requirement #15** | **Category: Requirement** |  |
| **Requirement description:** | **Overview of percentages (area purity and classification)** |
| In the software there should be an easy overview of the percentages of area purity and the percentages for arable land, permanent grassland, and permanent crops (classification) for each of the reference parcels in the test, to be able to see where a possible error occur. |
| **Solution description:** | **Requirement compliance:** | Wholly |  |
|  | Partly |  |
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| **Reservation and comments:** |  |
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| **Requirement #16** | **Category: Requirement** |  |
| **Requirement description:** | **Displaying conforming and non-conforming reference parcels** |
| In the software it should be possible to easily see if the reference parcel that the operator is working on is conforming or not. |
| **Solution description:** | **Requirement compliance:** | Wholly |  |
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| **Reservation and comments:** |  |
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### Creation of gml and xml files for reporting to the Commission

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| **Requirement #17** | **Category: Requirement** |  |
| **Requirement description:** | **LpisPointZeroState.gml** |
| The LpisPointZeroState.gml can be created by the software, based on e.g. a file with the relevant data for the scope. The customer mainly use shapefiles, so at least this should be possible. |
| **Solution description:** | **Requirement compliance:** | Wholly |  |
|  | Partly |  |
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| **Reservation and comments:** |  |
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| **Requirement #18** | **Category: Requirement** |  |
| **Requirement description:** | **EtsInspectionMeasurements.gml** |
| The EtsInspectionMeasurements.gml can be created by the software, based on the registered data in the software.  |
| **Solution description:** | **Requirement compliance:** | Wholly |  |
|  | Partly |  |
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| **Reservation and comments:** |  |
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| **Requirement #19** | **Category: Requirement** |  |
| **Requirement description:** | **EtsObservations.xml** |
| The EtsObservations.xml can be created by the software, based on the registered data in the software.  |
| **Solution description:** | **Requirement compliance:** | Wholly |  |
|  | Partly |  |
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| **Reservation and comments:** |  |
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| **Requirement #20** | **Category: Requirement** |  |
| **Requirement description:** | **LpisSamplePreselectionStatus.xml** |
| The LpisSamplePreselectionStatus.xml can be created by the software, based on data in the software.  |
| **Solution description:** | **Requirement compliance:** | Wholly |  |
|  | Partly |  |
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| **Reservation and comments:** |  |
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| **Requirement #21** | **Category: Requirement** |  |
| **Requirement description:** | **NonConformity.gml** |
| The NonConformity.gml can be created by the software, based on the registered data in the software.  |
| **Solution description:** | **Requirement compliance:** | Wholly |  |
|  | Partly |  |
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| **Reservation and comments:** |  |
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| **Requirement #22** | **Category: Requirement** |  |
| **Requirement description:** | **LpisPolygonZeroState.gml** |
| The LpisPolygonZeroState.gml can be created by the software, e.g. based on the registered data in the software or a file with the relevant data. The customer mainly use shapefiles, so if the creation of the LpisPolygonZeroState.gml is based on a file, this at least should be possible.  |
| **Solution description:** | **Requirement compliance:** | Wholly |  |
|  | Partly |  |
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| **Reservation and comments:** |  |
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| **Requirement #23** | **Category: Requirement** |  |
| **Requirement description:** | **EtsAssessmentReport.gml** |
| The values and text for the ETS Assessment Report can be filled in (manually or automatically) in the software and the EtsAssessmentReport.gml can be created by the software based on this. It would be good if a word or pdf-version of the data in the EtsAssessmentReport can be exported from the software. |
| **Solution description:** | **Requirement compliance:** | Wholly |  |
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| **Reservation and comments:** |  |
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| **Requirement #24** | **Category: Minimum requirement** |  |
| **Requirement description:** | **IXIT.xml** |
| The relevant data for the IXIT can be filled in in the software and the IXIT.xml can be created by the software based on this. |
| **Solution description:** | **Requirement compliance:** | Yes |  |
|  | No |  |
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| **Requirement #24.1** | **Category: Requirement** |  |
| **Requirement description:** | **IXIT.xml** |
| It would be preferable if it is possible to import or in other ways quickly insert data from a previous IXIT, so that the customer only spend time on the data, which needs to be changed. |
| **Solution description:** | **Requirement compliance:** | Wholly |  |
|  | Partly |  |
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| **Reservation and comments:** |  |
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| **Requirement #25** | **Category: Minimum requirement** |  |
| **Requirement description:** | **ModelTestSuite.xml** |
| The relevant data for the Model Test Suite can be filled in in the software and the ModelTestSuite.xml can be created by the software based on this.  |
| **Solution description:** | **Requirement compliance:** | Yes |  |
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| **Requirement #25.1** | **Category: Requirement** |  |
| **Requirement description:** | **ModelTestSuite.xml** |
| It would be preferable if it is possible to import or in other ways quickly insert data from a previous IXIT, so that the customer only spend time on the data, which needs to be changed. |
| **Solution description:** | **Requirement compliance:** | Wholly |  |
|  | Partly |  |
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| **Reservation and comments:** |  |
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| **Requirement #26** | **Category: Minimum requirement** |  |
| **Requirement description:** | **SystemMetadata.xml** |
| The relevant data for the System Metadata can be filled in in the software and the SystemMetadata.xml can be created by the software based on this.  |
| **Solution description:** | **Requirement compliance:** | Yes |  |
|  | No |  |
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| **Requirement #26.1** | **Category: Requirement** |  |
| **Requirement description:** | **SystemMetadata.xml** |
| It would be preferable if it is possible to import or in other ways quickly insert data from a previous IXIT, so that the customer only spend time on the data, which needs to be changed. |
| **Solution description:** | **Requirement compliance:** | Wholly |  |
|  | Partly |  |
|  | No |  |
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| **Reservation and comments:** |  |
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### Calculation of the quality elements (QE)

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| **Requirement #27** | **Category: Requirement** |  |
| **Requirement description:** | **Calculation of QE’s** |
| QE1a, QE1b, QE2a, QE2b, QE2c, QE3, and QE4 can automatically be calculated and displayed in the software, from the registered data in the software.  |
| **Solution description:** | **Requirement compliance:** | Wholly |  |
|  | Partly |  |
|  | No |  |
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| **Reservation and comments:** |  |
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### Support and training

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| **Requirement #28** | **Category: Requirement** |  |
| **Requirement description:** | **Support** |
| If needed, it should be possible with on-site support. Otherwise support by e-mail and phone should be possible, when problems arise. |
| **Solution description:** | **Requirement compliance:** | Wholly |  |
|  | Partly |  |
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| **Reservation and comments:** |  |
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| **Requirement #29** | **Category: Requirement**  |  |
| **Requirement description:** | **Training** |
| If needed in relation with understanding and getting to know the new or updated software, training should be provided on-site in Denmark. |
| **Solution description:** | **Requirement compliance:** | Wholly |  |
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| **Reservation and comments:** |  |
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### Initial delivery of the software

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| **Requirement #30** | **Category: Minimum requirement** |  |
| **Requirement description:** | **Security approval and test of software** |
| The bidder who wins the tender, has to send the documentation that the customer at any time requests in order to get security approval for the software. The requirements for security approval is at all times based on an assessment of the individual software. It is therefore not possible for the customer to specify in advance, which requirements needs to be in place. It is at all times up to the customer, which documentation needs to be delivered from the bidder with respects to the security approval. After the software has been approved in the customer’s security protocol, the bidder has to deliver the software for the customer to test. This test is to make sure the software lives up to the requirements specification and the bidder’s description in the offer.This minimum requirement apply to software which has not yet been security approved and tested by the customer. |
| **Solution description:** | **Requirement compliance:** | Yes |  |
|  | No |  |
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| **Requirement #31** | **Category: Requirement** |  |
| **Requirement description:** | **Initial delivery of the software** |
| The supplier should deliver the software for the customer to be able to:• Run the ETS-test from the middle of October. Delivery at the 20th of October at the latest• Report to the Commission on the ETS and MTS in the end of January• Send scope data to the Commission in August. Delivery at the 10th of August at the latest |
| **Solution description:** | **Requirement compliance:** | Wholly |  |
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| **Reservation and comments:** |  |
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### Delivery of the software or updates to the software after initial delivery

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| **Requirement #32** | **Category: Requirement** |  |
| **Requirement description:** | **Subsequent delivery of new software or updates to the software** |
| When necessary, an updated or new version of the software has to be delivered in time, for the customer to be able to send the scope data with the correct specifications to the Commission in August of every year. This delivery should be on the 10th of August of the latest.When necessary an updated or new version of the software has to be delivered on the 20th of October at the latest, for the customer to be able to complete the ETS and MTS in time for the delivery on the 31st of January every year. When there are changes to the specifications from the Commission or other issues related to the software, this could mean that a new version of the software is necessary for the customer to be able to deliver in time. This new version of the software has to be delivered in due time for the customer to be able to meet the deadlines, unless out of the hand of the contractor e.g. very late changes from the Commission. This links to requirement #6.These timelines are subject to change, if the Commission changes the deadlines related to the ETS and MTS. If there are changes in the deadlines from the Commission, the supplier shall at all times adapt the delivery of the software or updates to the software, to make sure that the customer has a similar time span between delivery/update and the Commission deadlines, as with the time span between the current delivery plan and current Commission deadlines. |
| **Solution description:** | **Requirement compliance:** | Wholly |  |
|  | Partly |  |
|  | No |  |
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| **Reservation and comments:** |  |
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# Reservations

*[Guide to this section:*

*Here, the bidder gives a total overview of the bidder's possible reservations. All reservations should have a reference to the relevant requirement number and a justification for the reservation.*

*Before the bidder completes this section, all guides written in italics and brackets are removed.]*

# Confidential parts of the offer

*[Guide to this section:*

*Here the bidder describes which parts of the offer the bidder wants to be treated with confidentiality and exempted from access to documents, as far as possible.

Leave empty if there are no confidential parts of the offer.*

*Before the bidder completes this section, all guides written in italics and brackets are removed.]*

# Other information

*[Guide to this section:*

*Here the bidder can give any other information the bidder wishes to submit and which is not stated elsewhere in the documents for this tender.*

*Please limit this to maximum two pages.*

*Before the bidder completes this section, all guides written in italics and brackets are removed.]*