

Til handhafa útboðsgagna nr. 15311 – Endurnýjun gönguljósa í Reykjavík

Málefni: Viðauki 1 við ofangreind útboðsgögn.

Eftirfarandi fyrirspurnir hafa borist og eru svör kaupanda við þeim hér fyrir neðan. Að auki má finna stýriforrit í fylgiskjali: 15311 - Viðauki 1 – Stýriforrit.zip

Fyrirspurn 1:

Eru gerðar einhverjar kröfur til búnaðar að tengjast forgangskerfi STREAM eða flæðistýringu MOTION?

Svar 1: Nei

Fyrirspurn 2:

Til að tengjast MSU, þurfa allir bjóðendur að kaupa leyfi (licence) frá framleiðanda og hvað kostar slíkt leyfi?

Svar 2:

Kröfur eru gerðar að tenging við MSU skuli fara í gegnum OCIT-O v2.0 samskiptastaðalinn eða CANTO v1.3. Ef framleiðandi umferðarljósabúnaðar er handhafi leyfis og búnaður uppfyllir kröfur um tengingu við MSU, getur viðkomandi tengt búnað án endurgjalds. Verð fyrir OCIT-O v2.0 leyfi má nálgast á heimasíðu OCIT (ocit.org). Verð fyrir CANTO er skv. samkomulagi milli þróunaraðila og framleiðanda umferðarljósabúnaðar.

Fyrirspurn 3:

Varðandi lið 2.1.1 "Stýrikassar geti tengst miðlægri stýritölvu umferðarljósa (MSU) án vandkvæða yfir OCIT-O 2 eða CANTO 1.3".

- How is this done when only a part of the data sets and protocols are defined in the standards? How does an independent manufacturer get access to the proprietary part of the protocols and data models?

Svar 3:

Information on the OCIT-O v2.0 protocol can be found on the OCIT webpage (ocit.org). According to ODG (OCIT Developer Group), OCIT-O v2 offers complete functionality according to the "OCIT Function Mirror" and OCIT-O leaves open the possibility to define project functions. With regards to standard functionality, the statement "only part of the data sets and protocols are defined in the standard" is wrong. See the attached data set for detailed information on the signal programs.

Fyrirspurn 4:

Varðandi lið 2.1.2.1 "Stýribúnaður verður að fullnægja kröfum kaupanda hverju sinni m.t.t. stýriforríta og hugbúnaðartenginga. Hér með eru talin umferðarljósín í planlegu, millitímafylki, miðlun merkjaöryggis, fasaplön, fasayfirgangsplön, og rökfræðin á bak við stýringar og miðlun hugbúnaðargagna (gögn sem lýsa forritum og ræsa þau)"

- Could we please have the detailed description including data sets, protocols and security mechanisms for the highlighted part? (interim arrays, signal security sharing, phase planning, phase transition planning, and the logic behind controlling and sharing software data (data that describes and launches applications), Otherwise these must be considered proprietary and closed.

Svar 4:

Data sets for the signal programs are attached. The first paragraph of item „2.1.2.1 Almennar kröfur“ is updated as following:

Þegar um er að ræða nýjan stýribúnað umferðarljósa, er eingöngu um að ræða stýrikassa með viðeigandi vélbúnaði og skal kassinn vera tilbúinn til notkunar, þ.e.a.s. samsettur og skal innihalda þau stýriforrit sem fylgja með í viðauka-kaupandi-óskar eftir hverju sinni. Búnaðurinn sem erverður að innihalda tengiviðmót við OCIT-O 2 eða við CANTO 1.3. Tengiviðmót skulu vera í samræmi við kröfur ofangreindra staðla og skal seljandi koma þeim fyrir í stýrikassa. Sendibúnaður til að tengjast við miðlæga stýritölvu umferðarljósa skal fylgja.

Fyrirspurn 5:

Connected to central system manual and automatic – how when OCIT/CANTO only covers part of the operation?

Svar 5:

Which item is being referred to and please send the original Icelandic text as well.

Fyrirspurn 6:

Connected to sensors – is this according to the open C-ITS standards as required in e.g. the Netherlands? If not, why not?

Svar 6:

C-ITS is not a part of this tender.

Fyrirspurn 7:

Interoperability – how? What specs for protocols and interfaces? Licenses?

Svar 7: Which item is being referred to and please send the original Icelandic text as well.

Fyrirspurn 8:

SIL-2 approval light source

There is only one supplier who can offer SIL-2 approval on the LED light source which is SIEMENS. Therefore, we see this requirement as a speck locker for one specific supplier. Therefore, this quotation can be considered proprietary and closed.

To be approved and applied with CE label in EU, it is specified that all LED lights sources must be made in accordance with EN 12368 which does not require SIL-2 approval.

Question: Can this requirement be ignored, or will it stand?

Svar 8:

The International Electrotechnical Commission's (IEC) standard IEC 61508 defines SIL. The tender asks for verification of the functional safety of the LED signaling devices according to EN 61 508 self-declaration (SIL 2) or test certificate from an independent external institute (SIL 3). CE label is also required.

Fyrirspurn 9:

SIL-3 approval traffic controllers:

According to EN 50556 and EN 12675, SIL-3 is not a requirement. As today, only Siemens has the possibility to offer SIL-3 solution. Therefore, this quotation can be considered proprietary and closed.

Question: Can this requirement be ignored, or will it stand?

Svar 9:

Multiple manufacturers offer SIL-3 solutions. The requirement is still in effect.

Fyrirspurn 10:

RILSA is a German handbook for Traffic Light Intersection design and planning.

Question: Is RILSA a requirement and mandatory for designing of traffic intersections in Iceland?

Question: is it possible to use other standards instead of RILSA?

Svar 10:

RILSA is not a legal requirement and mandatory for designing of traffic intersections in Iceland. However, RILSA has been used for decades in Iceland and is a requirement for this tender.

Fyrirspurn 11:

Temperature requirement

The other Nordic countries, Norway, Sweden, and Finland, have enhanced temperature specification with -40 degrees. Question: Should this not be a minimum requirement for Iceland?

Svar 11:

This requirement will remain unchanged in this tender, but will be taken into consideration for future tenders.

Fyrirspurn 12:

Could we please have the detailed description including data sets, protocols and security mechanisms for following part in section 2.1.2.1, interim arrays, signal security sharing, phase planning, phase transition planning, and the logic behind controlling and sharing software data (data that describes and launches applications). If this information is not provided, this quotation must be considered proprietary and closed.

Svar 12:

See answer 4 (Svar 4)

Fyrirspurn 13:

Er hægt að fá lista yfir þau gatnamót sem þessi búnaður er hugsaður fyrir?

Svar 13:

1. Bústaðavegur - Grímsbær
2. Álfheimar - Sólheimar
3. Sóleyjargata - Bragagata
4. Skeiðarvogur - Sólheimar
5. Réttarholtsvegur - Langagerði
6. Hofsvallagata - Neshagi
7. Hofsvallagata - Túngata
8. Langahlíð - Blönduhlíð
9. Suðurströnd-Selbraut

Sjá einnig í fylgiskjali: - 15311 - Viðauki 1 – Styriforrit.zip

Vinsamlega athugið að viðauki þessi er hluti framangreindra gagna.