

679552-2026 - Kilpailu

Norja – Laivan komentosillan simulaattorit – Navigation simulators for Nord-Troms and Senja sixth form colleges

OJ S 191/2026 02/10/2026

Hankintailmoitus tai käyttöoikeussopimusta koskeva ilmoitus – vakiojärjestelmä
Tavarahankinnat

1. Ostaja

1.1. Ostaja

Virallinen nimi: Troms Fylkeskommune

Sähköposti: postmottak@tromsfylke.no

Ostajan oikeudellinen muoto: Julkisoikeudellinen yhteisö, joka on alueviranomaisen määräysvallassa

Pääasiallinen toimiala: Yleinen julkishallinto

2. Menettely

2.1. Menettely

Ilmoituksen nimi: Navigation simulators for Nord-Troms and Senja sixth form colleges

Kuvaus: Background Troms County shall upgrade the navigation simulators at Nord-Troms sixth form college, skjervøy school and Senja sixth form college, Department Gibostad. The procurement will be carried out to ensure modern, stable and future orientated simulator systems that support maritime training in accordance with the current requirements and needs of teaching. The current simulator park consists of equipment from different generations, with parts of the system being from 2014-2015. This leads to challenges connected to compatibility, operation, maintenance and support. The county therefore needs a more comprehensive system with more favourable functionality, simple administration and better interaction between the systems at the two school places. The simulators shall be used in training within navigation, vessel manoeuvring, radio communication, interaction and situation comprehension. The system shall support both the continuation of existing courses and the development of new training offers, and it shall be able to be used in teaching several certificate courses as well as by external users. It is therefore important that the system provides realistic training possibilities, high educational value and good user friendliness for both pupils, teachers and instructors. Description of the assignment The contract is for the delivery, installation and commissioning of complete navigation simulators for both school places. The delivery shall include simulator stations for pupils and instructors, the necessary hardware and software, the accompanying licences, cabling, integration with relevant existing equipment and adapted furnishing. The delivery shall be complete and ready for use when taking over. The system shall facilitate realistic training in navigation, manoeuvring, GMDSS communication, interaction between vessels and exercises across disciplines. The simulators shall be able to be controlled together from the instructor station, support joint scenarios and give good possibilities for real time management, recording, documentation and evaluation of exercises. Flexibility is also wanted for future expansions and integrations, including an option for a fishing module. The assignment includes further training in use and operation, documentation, proposals for a room system and any infrastructure requirements, as well as a service and maintenance agreement with support and access to spare parts. The system shall contribute to safe and efficient operation over time, with emphasis on user friendliness, central

administration, upgradability and interaction between the simulator installations at the two schools.

Menettelyn tunniste: 7aa67748-09c8-4c80-b7dc-4c788848bd43

Sisäinen tunniste: cmq6db3va000004lb3wxi2sei

Menettelyn tyyppi: Avoin

Käytetään nopeutettua menettelyä: ei

Menettelyn tärkeimmät piirteet: All interested suppliers can submit tender offers through Hyyr. The competition does not have a prequalification phase. The tenders will be evaluated directly, and dialogues or negotiations will not be allowed beyond minor clarifications and corrections of the tenders. Tenderers are strongly encouraged to follow the instructions given in this tender documentation with annexes and possibly ask questions about uncertainties in the communication module in Hyyr.

2.1.1. Tarkoitus

Pääasiallinen hankintalaji: Tavarahankinnat

Pääasiallinen luokitus (cpv): 34931400 Laivan komentosillan simulaattorit

Lisäluokitus (cpv): 48190000 Opetusohjelmatuotteet, 34931000 Satamakoneet, 80210000

Teknisten oppilaitosten ja ammattioppilaitosten opetus, 30231320 Kosketusnäytöt, 34152000

Koulutussimulaattorit, 48822000 Tietokonepalvelimet, 38112100 Maailmanlaajuiset

paikannusjärjestelmät (GPS tai vastaavat), 48000000 Ohjelmatuotteet ja tietojärjestelmät,

30231000 Tietokoneiden näytöt ja valvontapöydät, 39100000 Huonekalut, 38110000

Suuntimislaitteet, 34150000 Simulaattorit, 34930000 Merenkulkualan laitteet, 39162100

Opetuslaitteet

2.1.2. Suorituspaikka

Postiosoite: Postboks 6600

Postitoimipaikka: Tromsø

Postinumero: 9296

Maaryhmittely (NUTS): Troms/Romsa/Tromssa (NO072)

Maa: Norja

Lisätiedot: Nord-Troms sixth form college, skjervøy school and Senja sixth form college, department Gibostad.

2.1.3. Arvo

Ennakoitu arvo ilman arvonlisäveroa: 7 600 000,00 NOK

2.1.4. Yleistä tietoa

Oikeusperusta:

Direktiivi 2014/24/EU

Anskaffelsesforskriften -

2.1.6. Poissulkemisperusteet

Poissulkemisperusteiden ilmoittamispaikka: Hankinta-asiakirja, Hankinta-asiakirja

5. Osa

5.1. Osa: LOT-0001

Ilmoituksen nimi: Navigation simulators for Nord-Troms and Senja sixth form colleges

Kuvaus: Background Troms County shall upgrade the navigation simulators at Nord-Troms sixth form college, skjervøy school and Senja sixth form college, Department Gibostad. The procurement will be carried out to ensure modern, stable and future orientated simulator systems that support maritime training in accordance with the current requirements and needs

of teaching. The current simulator park consists of equipment from different generations, with parts of the system being from 2014-2015. This leads to challenges connected to compatibility, operation, maintenance and support. The county therefore needs a more comprehensive system with more favourable functionality, simple administration and better interaction between the systems at the two school places. The simulators shall be used in training within navigation, vessel manoeuvring, radio communication, interaction and situation comprehension. The system shall support both the continuation of existing courses and the development of new training offers, and it shall be able to be used in teaching several certificate courses as well as by external users. It is therefore important that the system provides realistic training possibilities, high educational value and good user friendliness for both pupils, teachers and instructors. Description of the assignment The contract is for the delivery, installation and commissioning of complete navigation simulators for both school places. The delivery shall include simulator stations for pupils and instructors, the necessary hardware and software, the accompanying licences, cabling, integration with relevant existing equipment and adapted furnishing. The delivery shall be complete and ready for use when taking over. The system shall facilitate realistic training in navigation, manoeuvring, GMDSS communication, interaction between vessels and exercises across disciplines. The simulators shall be able to be controlled together from the instructor station, support joint scenarios and give good possibilities for real time management, recording, documentation and evaluation of exercises. Flexibility is also wanted for future expansions and integrations, including an option for a fishing module. The assignment includes further training in use and operation, documentation, proposals for a room system and any infrastructure requirements, as well as a service and maintenance agreement with support and access to spare parts. The system shall contribute to safe and efficient operation over time, with emphasis on user friendliness, central administration, upgradability and interaction between the simulator installations at the two schools.

Sisäinen tunniste: cmq6db3ws000304lbnkv80cfr

5.1.1. Tarkoitus

Pääasiallinen hankintalaji: Tavarahankinnat

Pääasiallinen luokitus (cpv): 34931400 Laivan komentosillan simulaattorit

Lisäluokitus (cpv): 48190000 Opetusohjelmatuotteet, 34931000 Satamakoneet, 80210000

Teknisten oppilaitosten ja ammattioppilaitosten opetus, 30231320 Kosketusnäytöt, 34152000

Koulutussimulaattorit, 48822000 Tietokonepalvelimet, 38112100 Maailmanlaajuiset

paikannusjärjestelmät (GPS tai vastaavat), 48000000 Ohjelmatuotteet ja tietojärjestelmät,

30231000 Tietokoneiden näytöt ja valvontapöydät, 39100000 Huonekalut, 38110000

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Opetuslaitteet

5.1.2. Suorituspaikka

Postiosoite: Postboks 6600

Postitoimipaikka: Tromsø

Postinumero: 9296

Maaryhmittely (NUTS): Troms/Romsa/Tromssa (NO072)

Maa: Norja

Lisätiedot: Nord-Troms sixth form college, skjervøy school and Senja sixth form college, department Gibostad.

5.1.3. Arvioitu kesto

Alkamispäivä: 01/10/2026

Päätymispäivä: 01/11/2027

5.1.5. Arvo

Ennakoitu arvo ilman arvonlisäveroa: 7 600 000,00 NOK

5.1.6. Yleistä tietoa

Varattu osallistuminen:

Osallistumista ei ole varattu.

Hankintaa ei ole rahoitettu EU:n varoista

Hankintaan sovelletaan WTO:n julkisia hankintoja koskevaa sopimusta (GPA): kyllä

5.1.7. Strategiset hankinnat

Strategisten hankintojen tavoite: Ympäristövaikutusten vähentäminen

Kuvaus: The aim of the procurement is to reduce environmental impact.

5.1.9. Valintaperusteet

Valintaperusteiden ilmoittamispaikka: Hankinta-asiakirja

5.1.10. Vertailuperusteet

Kriteeri:

Tyyppi: Hinta

Nimi: Price

Kuvaus: Price shall include all expenses and costs connected to the delivery of a complete and completed simulator park, ready for use by the Contracting Authority. As a result, the total price shall include costs for, among other things, but not limited to the delivery and freight (including travel and living expenses for the tenderer), installation, installation, training, licence costs, required warranty time, service, technical support, as well as any necessary quality assurance activities and test procedures. The price shall also include an option for a fishing module. It is emphasised that the contracting authority will not accept costs beyond the stated total price."

Kategoria vertailuperuste paino: Painotus (prosentteina, tarkka)

Vertailuperusteen luku: 20

Kriteeri:

Tyyppi: Laatu

Nimi: Climate and environmental properties

Kuvaus: Evaluation of documentable climate and environmental properties at the delivery, for example, energy efficient components, lifetime and upgradability/modular structure, use of standardised hardware that enables reuse, maintenance and lifetime.

Kategoria vertailuperuste paino: Painotus (prosentteina, tarkka)

Vertailuperusteen luku: 20

Kriteeri:

Tyyppi: Laatu

Kuvaus: The procurement is covered by the rules of the Public Procurement Act § 5b, which includes requirements for safeguarding climate and the environment in public procurement processes. The contracting authority considers that combining climate and environmental considerations as the award criterion with climate and environmental requirements in the requirement specifications gives a better climate and environmental effect than only using climate and environmental considerations as an award criterion in the competition, cf. the Public Procurement Regulations § 5b second paragraph of the third period. The contracting authority has therefore chosen to use both climate and environmental considerations as the award criteria, as well as to set minimum requirements for climate and the environment to ensure that the procurement results in the desired climate and environmental effects.

Moderate climate and environmental risks have been identified for navigation simulators,

mainly related to extraction of raw materials, the production and operation phase, which makes up most of the procurement's total climate footprint. Both DFØ, the European Commission's Joint Research Centre and relevant guidelines point out that the most efficient way the contracting authority can reduce climate and environmental impact is by setting requirements that promote long lifetime, repairability and reduced replacement. There are minimum requirements that underpin long lifetime, repairability and reduced replacement by requirements for spare parts and system upgrades for ten years, modular structure, energy efficient components and standardised hardware. Minimum requirements for remote support and remote updating will reduce the need for physical attendance and the climate footprint associated with travel. Requirements for disposal and packaging shall ensure the desired climate and environmental effects connected to resource efficiency and waste reduction. At the same time, the contracting authority sees environmental added value by awarding tenderers for increased levels of modular structure, energy efficiency and standardised hardware. These elements will therefore be evaluated as part of the award criterion Climate and Environment in the competition.

Kategoria vertailuperuste paino: Painotus (prosentteina, tarkka)

Vertailuperusteen luku: 0

Kriteeri:

Tyyppi: Laatu

Nimi: Training and delivery

Kuvaus: Evaluation of the system's requirements for training and delivery.

Kategoria vertailuperuste paino: Painotus (prosentteina, tarkka)

Vertailuperusteen luku: 20

Kriteeri:

Tyyppi: Laatu

Nimi: Functionality and educational quality

Kuvaus: Evaluation of requirements, Visual display in a large screen over monitor based instrument monitors.

Kategoria vertailuperuste paino: Painotus (prosentteina, tarkka)

Vertailuperusteen luku: 20

Kriteeri:

Tyyppi: Laatu

Nimi: Interaction and future expandability

Kuvaus: Evaluation of how well the system interacts with the existing equipment and supports simple administration across schools, common scenarios between several disciplines, driving from the same instructor in the same exercise, integration with the relevant existing equipment /debrief system as well as flexibility for future integrations and options, particularly the fishing module.

Kategoria vertailuperuste paino: Painotus (prosentteina, tarkka)

Vertailuperusteen luku: 20

5.1.11. Hankinta-asiakirjat

Hankinta-asiakirjojen osoite: <https://hyyr.no/procurement/cm96db3va0000041b3wxi2sei>

5.1.12. Hankinnan ehdot

Tarjouksen/hakemuksen jättämisen ehdot:

Tarjouksen/hakemuksen jättäminen sähköisesti: Pakollinen

Tarjouksen/hakemuksen toimitusosoite: <https://hyyr.no/procurement/cm96db3va0000041b3wxi2sei>

Kielet, joilla tarjoukset tai osallistumishakemukset voidaan toimittaa: norja, englant

Sähköinen luettelo: Ei sallittu

Tarjoaja voi jättää useamman kuin yhden tarjouksen: Ei sallittu

Tarjousten vastaanottamisen määräaika: 09/11/2026 12:00:00 (UTC+01:00) Keski-Euroopan aika, Länsi-Euroopan kesäaika

Ajanjakso, jonka tarjouksen on pysyttävä voimassa: 60 Päivät

Sopimusehdot:

Sopimuksen täytäntöönpano on rajattu tehtäväksi suojatyöohjelmien puitteissa: Ei

Sopimuksen täytäntöönpanoa koskevat ehdot: See Tender Documents

Sähköinen laskutus: Pakollinen

Tilaukset tehdään sähköisesti: ei

Maksut tehdään sähköisesti: ei

Rahoitusjärjestelyn kuvaus: See tender documents

5.1.15. Menetelmät

Puitejärjestely:

Ei puitejärjestelyä

Tietoa dynaamisesta hankintajärjestelmästä:

Ei dynaamista hankintajärjestelmää

5.1.16. Lisätietoja, sovittelu ja muutoksenhaku

Muutoksenhakuelin: NORD-TROMS OG SENJA TINGRETT

Hankintamenettelystä lisätietoja antava organisaatio: Troms Fylkeskommune

Muutoksenhakumenettelyjen määräajoista lisätietoja tarjoava organisaatio: NORD-TROMS OG SENJA TINGRETT

Osallistumishakemuksia vastaanottava organisaatio: Hyrr AS

8. Organisaatiot

8.1. ORG-0001

Virallinen nimi: NORD-TROMS OG SENJA TINGRETT

Rekisterinumero: 926723022

Postiosoite: Postboks 2510 Stakkevollan

Postitoimipaikka: TROMSØ

Postinumero: 9270

Maaryhmittely (NUTS): Troms/Romsa/Tromssa (NO072)

Maa: Norja

Yhteyspiste: NORD-TROMS OG SENJA TINGRETT

Tämän organisaation roolit:

Muutoksenhakuelin

Muutoksenhakumenettelyjen määräajoista lisätietoja tarjoava organisaatio

8.1. ORG-0002

Virallinen nimi: Hyrr AS

Rekisterinumero: 924998687

Postiosoite: Gaustadalléen 21

Postitoimipaikka: Oslo

Postinumero: 0349

Maaryhmittely (NUTS): Oslo (NO081)

Maa: Norja

Yhteyspiste: Hyrr Support

Sähköposti: admin@hyrr.no

Puhelin: +47 90 63 65 38

Tämän organisaation roolit:

Osallistumishakemuksia vastaanottava organisaatio

8.1. ORG-0003

Virallinen nimi: Troms Fylkeskommune

Rekisterinnumero: 930068128

Postiosoite: Postboks 6600

Postitoimipaikka: Tromsø

Postinumero: 9296

Maaryhmittely (NUTS): Troms/Romsa/Tromssa (NO072)

Maa: Norja

Yhteyspiste: Troms Fylkeskommune

Sähköposti: postmottak@tromsfylke.no

Puhelin: +47 77788000

Tämän organisaation roolit:

Ostaja

Hankintamenettelystä lisätietoja antava organisaatio

Ilmoituksen tiedot

Ilmoituksen tunniste/versio: 6e8fae76-2799-4567-82d0-ac4568bf1610 - 01

Lomakkeen tyyppi: Kilpailu

Ilmoituksen tyyppi: Hankintailmoitus tai käyttöoikeussopimusta koskeva ilmoitus – vakiojärjestelmä

Ilmoituksen alatyyppe: 16

Ilmoituksen lähetyspäivä: 01/10/2026 13:08:07 (UTC+02:00) Itä-Euroopan aika, Keski-Euroopan kesäaika

Kielet, joilla tämä ilmoitus on virallisesti saatavilla: englanti

Ilmoituksen julkaisunumero: 679552-2026

EUVL S -lehden numero: 191/2026

Julkaisupäivä: 02/10/2026