



INFORMASJON FRA ATM NORGE

Nyhetsbrev mars 2019

Den årlige ATM Konferansen
arrangeres tirsdag 21.mai 2019.
Hold av dagen!

Konferansen arrangeres i samarbeid med NHO Luftfart og avholdes som tidligere i
Middelthunsgate 27, 0305 Oslo.

Nytt fra AVINOR:

SESAR 4D konsept industrialiseres.

EUROCONTROL og medlemmene av iTEC Alliansen, som inkluderer 7 europeiske flysikringsleverandører, undertegnet under World ATM Congress i Madrid nylig en samarbeidsavtale som legger grunnlaget for en trygg og effektiv overgang til neste generasjons flykontrollkonsept.

Med dette viser iTEC partnerne og EUROCONTROL Maastricht Upper Area Control Center at forpliktelsen flysikringsleverandørene i Europa har til å modernisere konsepter og systemer i siste halvdel av 2020-tallet nå realiseres. iTEC industrialiserer med dette SESAR-konseptene som ligger til grunn for gjeldende europeiske myndighetskrav mot flysikringsleverandører. Myndighetskravene ligger i den såkalte PCP-forordningen, som stiller omfattende krav til ytelse og samvirkningsevne for det en kan kalle neste generasjon ATM systemer.



Samarbeidsavtalen innebærer felles utvikling av komponentene Flight Object Manager (FOM) og System Wide Information (SWIM) Node for flykontrollsystemet iTEC, som Avinor Flysikring vil implementere i 2023.

Vi skimter en tilsynelatende godt fornøyd Anders Kirsebom sittende som nr. 3 fra venstre.

Pressemeldingen kan leses [her](#).

For å følge Avinor Flysikring på Twitter kan du lese mer [her](#).

iTEC Alliansen består av DFS (Tyskland), ENAIRE (Spania), NATS (Storbritannia), LVNL (Nederland), PANSO (Polen), Oro Navigacija (Litauen) samt Avinor Flysikring. Indra Sistemas (Spania) er teknologipartner.

Stor søkning til flygelederutdanning i Avinor Flysikring

Rekrutteringskampanjen Avinor Flysikring har kjørt inn mot opptaket til flygelederutdanningen for 2019 er fullført, og seleksjonsprosessen er i gang. Totalt mottok Avinor Flysikring 825 søkere, dette er en økning på 25 prosent sammenlignet med fjoråret. I Avinor Flysikring er en svært fornøyd med søker tallene.

Gjennom en omfattende seleksjonsprosess tar en sikte på å single ut 25 kandidater som vil begynne sin grunnutdanning høsten 2019. Grunnutdanningen er lagt til Czech Air Navigation Institute (CANI) i Praha. CANI vant høsten 2018, etter internasjonal tilbudskonkurranse, en 3 års kontrakt for levering av grunnleggende flygelederopplæring til Avinor Flysikring.

På [Twitter](#) kan du lese mer om denne saken.

Nytt fra INDRA NAVIA AS:

Indra wins Jane's Runway Award for improving runway safety at Zürich Airport



Airports around the world may benefit from an innovative solution developed by Indra in collaboration with skyguide, SkySoft-ATM and Zürich Airport in the Advanced Runway Safety Improvement (ARSI) project. The objective of the project has been to increase runway safety and traffic capacity during certain arrival and departure configurations at Zürich Airport, but the solution has implications reaching far beyond the initial project scope. On March 12th, the project was awarded with the Jane's Runway Award at the World ATM Congress in Madrid. In the ARSI project, skyguide's electronic flight strip system, TRACE from SkySoft-ATM, is integrated with Indra's A-SMGCS InNOVA Ground. Aimed at the tower environment, air traffic controllers will get an electronic warning in case they make safety critical decisions. "The solution is based on the input given to the Electronic Flight Strips. The system will immediately detect potential critical situations due to conflicting clearances or non-compliant instructions, allowing more time to react in critical situations", explains Terje Dalen, Product Manager Tower Systems from Indra. "Skyguide and Zürich Airport are the pioneers, but any airport with a high number of runway crossings could benefit from a similar solution."

Air traffic controllers are already reporting that the new solution has provided them with greater situational awareness. “The controllers have been actively involved in designing and developing the solution. It has been important for us to minimize their need for feeding the system”, explains Project Manager Jörn Winkler from skyguide. “The result is a fully integrated and semi-automated tower system. The feedback from the users is very positive.” The system is capable of A-SMGCS 3+ alerts (conflict detection). The first phase has been operational since February 2018, and the implementation was finalized in February 2019.

Indra will contribute to safe landings at the southernmost airport in the world

Indra will equip eight Argentine airports, including Ushuaia Airport, the southernmost airport on the planet, with NORMARC instrument landing systems (ILS) that will increase operational safety in low-visibility conditions. With this contract, Indra has 29 ILS systems installed in airports throughout the country.



NORMARC ILS is already installed at the world’s northernmost airport (Svalbard), so with this we ensure safe landings at the airports closest to both the South and North Poles!

Indra successfully completes GBAS flight trials with Hong Kong CAD



GBAS flight trials have been successfully carried out by Indra at Hong Kong International Airport (HKIA) for the Civil Aviation Department of Hong Kong. The flight trials, which took place during November and early December 2018, mark a new milestone in the path towards making GBAS the standard for landing systems.

Indra’s NORMARC GBAS ground equipment was used for the flight trials, and the company was also responsible for providing flight procedures and ionospheric analysis, with IDS (Ingegneria Dei Sistemi) and the German Aerospace Center (DLR) as subcontractors.

Flight inspection verified that the GBAS performance met the intended operational requirements. Four required navigation performance (RNP) to GBAS landing system approach procedures were designed and validated by flight check to demonstrate GBAS’ capability, with three of the procedures targeted for the purpose of flight trials.

Following the successful flight inspection and flight procedure validation, demonstrations were flown by Cathay Pacific Boeing 747-8 freighters, with satisfactory results and positive feedback from pilots.

“The flight trials have been successful, both technically and operationally, and show that it is realistic to implement GBAS in this region. Indra believes GBAS will provide airports and airlines with significant cost, capacity and environmental benefits. In this respect, we regard the project in Hong Kong as important for the entire industry. We wish to thank CAD and Cathay Pacific for acting as pioneers, and for such a professional and efficient organization of a challenging endeavor”, says Linda Lavik, Product Manager at Indra.

GBAS provides accurate and flexible navigational guidance to aircraft, allowing steeper and shorter approaches. With potentially 48 approaches from one system and no sensitive areas, GBAS is expected to initially supplement conventional instrument landing systems (ILS) for resilience, improved efficiency and operational flexibility. Indra’s NORMARC GBAS system is capable of guiding aircraft in CAT III low visibility conditions.

Indra was the first company to start delivery of commercially operational satellite landing systems, used in Norway since 2007. “Indra is working proactively to get GBAS GAST D approved for Category III operations. After ICAO requirements for GAST D became effective in November 2018, we are confident an approval is realistic”, comments Linda Lavik.

Norske bedrifter deltok under World ATM Congress (WAC) 2019 i Madrid



Som alltid er det en stor norsk delegasjon til stede ved disse årlige konferansene. Flere av våre norske medlemsbedrifter var også representert med egen stand.

Mer informasjon om årets World ATM Congress finnes [her](#).

Avinor, Kongsberg og Indra demonstrerte sin Remote Tower løsning



JOTRON var som alltid til stede

Avinor in Norway has awarded a five-year contract for air traffic control services at Ålesund and Kristiansand airports to Spain's Saerco. Four bidders took part in the tender and Avinor said Saerco won with the highest score on quality and price. In accordance with the white paper from the Norwegian Government, adopted by the Parliament in 2017, Avinor must now put air traffic services out to tender to secure less expensive and/or better services. "The bidding process has resulted in a new supplier of tower and approach control services. Saerco had the highest score on the quality criterion and is the cheapest. The company was particularly good with regard to environment and innovation. Saerco also has its own training facilities with a simulator that will be used to optimise operations and conduct efficient training," said Avinor chairperson, Anne Carine Tanum. Saerco, which currently operates control towers at several major airports in Spain, will commence operation of the control towers at Ålesund and Kristiansand Airports from 1 March 2020.

Avinor said it will also discuss with Avinor Flysikring the cost of procurement of services at its other airports. #1091.ATC1

Thales and Telstra have combined their expertise with a view to building a robust, safe and secure ecosystem to manage low altitude airspace for manned and unmanned vehicles, such as helicopters, drones and autonomous flying taxis. The ambition is to create a robust digital communications network infrastructure using Telstra's expertise, to underpin the navigation and surveillance ecosystem needed to safely manage low altitude airspace. Thales and Telstra's prototype air traffic control platform, called Low Altitude Airspace Management (LAAM) is capable of integrating manned and unmanned traffic, and will include automated drone flight approvals and dynamic airspace management. This collaboration will foster the development and growth of new products, services and innovations. "With the huge increase in drones in the airspace, flights per day will go from thousands to millions. The challenges are enormous, as are the opportunities. In Australia drone use will drive efficiency and financial benefits to a large proportion of Australian businesses. Thales is partnering with Telstra to contribute to the creation of a seamless sky where we help our customers integrate unmanned aircraft into controlled airspace as well as supporting drone users to perform their missions in an orderly and timely manner," said Jean Ferré, Thales Vice President of Air Traffic Management activities.

Telstra is playing a strategic role in the development of a future safe and secure drone-based economy through its leadership position in network and data technologies. Andrew Scott, Head of Technology at Telstra Labs, added: "There are extraordinary opportunities for the widespread take-up of unmanned aerial vehicles in Australia. To unlock this potential, we are investigating how we can leverage our 4G and 5G technology and IoT capabilities to enable robust communications, navigation and monitoring of UAVs. The work we've been doing with Thales to build a prototype, which is underpinned by continuous investment in our networks, proves that it is possible for unmanned and manned aerial vehicles to collaborate effectively and safely." #1092.ATC1

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