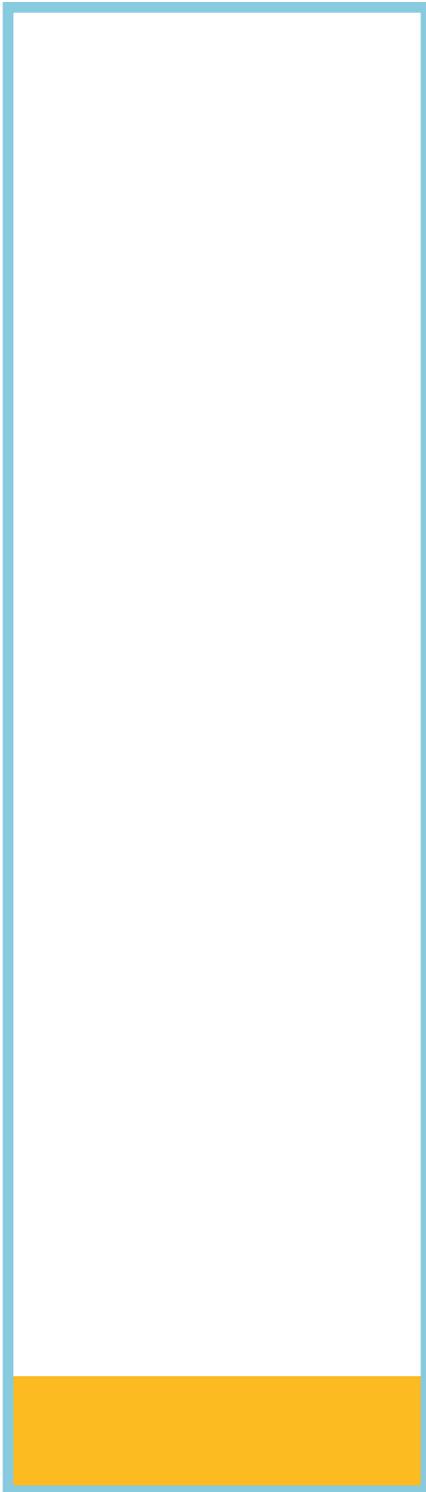


# indra



SESAR PJ05 Multiple Remote Towers

## Validation Open Day invitation

**Thursday 7th March 2019**

INDRA Navia offices  
Asker, Norway



# SESAR PJ05

## Multiple Remote Tower Validation

### Open Day 7<sup>th</sup> March 2019

We invite you to attend an open day demonstration for the Avinor and INDRA validation of SESAR PJ05 Multiple Remote Tower. The Open Day will include both presentations of the solutions and validation as well as a demonstration of the validation platform and a demonstration scenario.

Tentative agenda:

<b>Time</b>	<b>Topic</b>
10:00	Welcome and introduction
	Avinor perspective on Multiple Remote Towers
	Validation Plan and Objectives
	Validation platform
	LUNCH
	Live demo
	Q & A
15:00	End of session

The Open Day will take place as follows:

<b>Date:</b>	Thursday 7 <sup>th</sup> March 2019		
<b>Start time:</b>	10:00	<b>End time:</b>	15:00
<b>Location:</b>	INDRA NAVIA AS Hagaløkkveien 26 1383 ASKER NORWAY (see directions below)	<b>Hosts:</b>	Avinor INDRA Navia

# Registration

Please send a registration email to Ms Hilde Jacobsen at the following email address:

[Hilde.jacobsen@indra.no](mailto:Hilde.jacobsen@indra.no)

CC to: [mah@indra.no](mailto:mah@indra.no)

**Registration deadline: 31<sup>st</sup> January 2019.**

The email should include the following information:

- Name
- Company
- Position
- Nationality
- SESAR2020 role or interest
- Email
- Phone

**Please note that there is a limitation on group capacity, so please do not make any travel arrangements until your registration is confirmed. Confirmation will be sent immediately after the registration deadline.**

# Simulation setup

- Solution 2 validation:
  - 2 Multiple Remote Tower Modules (MRTM), each able to handle 1-3 aerodromes
  - Demonstration scenario with
    - IFR traffic
    - VFR traffic
    - Vehicles
    - Live splitting and merging
  - Avinor ATCOs running simulation on three Norwegian airports; Haugesund, Bodø and Røst
  - INDRA 3D simulator providing OTW
  - INDRA Navia InNOVA product providing an integrated HMI of ATC tools
- Solution 3 validation:
  - INDRA Long-term planning tool
  - Tool setup:
    - Traffic for 15 aerodromes
    - Weather scenarios
    - Mix of ATC and AFIS aerodromes
  - Demonstration of tool recommendations on MRTM merge setup



# How to reach us

The Open Day will be held at the Indra Navia offices located in Asker, on the south-west side of Oslo, Norway. The offices is close to the railway station in Asker which is only approx. 20 minutes train ride from down-town Oslo.

The airport express train ("Flytoget") from Oslo airport Gardermoen also stops at Asker and takes 44 minutes from the Airport to Asker.

It is possible to stay in hotels in Asker or down-town Oslo.

## Arrival by train from the airport

The Oslo Airport Express Train (Flytoget) leaves from inside the Oslo Airport terminal. The train takes you downtown Oslo Central Station in 19 minutes and leaves every 10 minutes. To Asker Station, it takes 44 minutes and leaves every 20 minutes.

## Arrival by train from Oslo city

There are trains running every 10 minutes from Oslo downtown to Asker. The trip takes approx. 20 minutes. The following lines can be used:

R10, R11, L12, L13 and L14. Line L1 can also be used but this is a slower train that will use 35 minutes.

The stations Jernbanetorget/Oslo S and Nationalteatret are in the city centre. To get to Indra Navia, take the train on the direction towards Drammen (Drammen, Kongsberg or Skien), and leave the train at the station "Asker".

After leaving either train at Asker station there is a 5 minute walk to our offices. There is no need to take a taxi. Move to platform 1 and follow the path shown in this picture:



**Arrival by car**

Follow the E18 highway SW from Oslo towards Drammen and Kristiansand. Exit number 19 to Asker.

There are limited parking spots next to the offices so the safest option is to park at the train station. Follow signs to Asker train station and park the car in the parking house next to the station.

There is a five minute walk to the offices – see description above.

## Hotels

It is possible to stay locally in the Asker area, or down-town Oslo. The following are local options:

**Scandic Asker**

This hotel is located five minute walk from the train station and ten minute walk from Indra Navia offices.

[https://www.scandichotels.com/hotels/norway/oslo/scandic-asker?\\_ga=2.184119461.2071766164.1519202777-466939268.1519202777](https://www.scandichotels.com/hotels/norway/oslo/scandic-asker?_ga=2.184119461.2071766164.1519202777-466939268.1519202777)

**Quality Hotel Leangkollen**

<https://www.nordicchoicehotels.com/hotels/norway/asker/quality-hotel-leangkollen/>

**Thon Hotel Vettre**

<https://www.thonhotels.com/our-hotels/norway/asker/thon-hotel-vettre/>

In addition to the local hotels mentioned above, there are numerous hotels down-town Oslo city.