

## Invitation to the NEWSKY project final workshop and demonstration – October 6th Network architecture, simulations, and live trials of mobile air traffic control network to integrate satellite and terrestrial links

### Vision of "Networking the Sky"

The NEWSKY project has pursued the vision of "Networking the Sky" by developing a concept of a mobile aeronautical communication network based on Internet technologies for cockpit and cabin services integrating satellite and terrestrial data links.

#### Time:

Tuesday, October 6th 2009

#### Place:

German Aerospace Center (DLR)  
Münchner Straße 20  
82234 Wessling (near Munich)  
Germany

#### Agenda:

09:00: Welcome and project overview  
10:00: Technical achievements  
12:00: Lunch, poster presentations  
13:30: Live demonstrations of NEWSKY network and of NEWSKY simulations  
15:00: Panel discussion  
16:00: Cocktail, poster presentations

#### Contact:

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www.newskey-fp6.eu

The NEWSKY consortium hereby invites you to participate at the project final workshop and demonstration to be held at the German Aerospace Center (DLR) in Munich on October 6th, 2009.

Innovative aeronautical network solutions developed in NEWSKY will be presented in the form of tutorials on selected topics such as network and transport layer design, Quality of Service, mobility, security, inter-technology handover, multihoming, link selection. Project inputs to ICAO, AEEC and IETF standardisation groups will be highlighted.

During the breaks, poster presentations will offer the opportunity for further discussions.

In the afternoon the consortium will run live demonstrations of an air traffic control network implementing basic NEWSKY functionalities to integrate satellite and terrestrial links. The technology on display enables handovers between different satellite and terrestrial communication links, which is central to the next generation mobile aeronautical network.

Advanced services such as graphical weather maps, CPDLC and Voice over IP (VoIP), as well as passenger Internet connectivity will be used to demonstrate the performance of the integrated NEWSKY network.

In addition to the network demonstrations, a simulation will show the NEWSKY approach for a large number of aircraft in different airspaces. The data traffic, the communication link characteristics and the overall network topology are modelled to validate advanced network functionalities such as optimized IP mobility schemes and Quality of Service provision.

At the end of the day a panel discussion will address topics related to deployment issues, exploitation of results, follow-up work and links with SESAR.

We look forward to seeing you in Munich.

Yours sincerely,



Frank Schreckenbach  
NEWSKY Project Manager



To attend the NEWSKY final project workshop and demonstration, please register for free [here](http://www.newskey-fp6.eu) (frank.schreckenbach@dlr.de) before September 15th.

## Directions and Hotels

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### Address:

Deutsches Zentrum für Luft- und Raumfahrt (DLR)  
Münchner Straße 20  
82234 Wessling (near Munich)  
Germany

Please register at the DLR gate. You will receive a map of the DLR premises.  
The meeting room is in **building N124, 2nd floor**.

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### Access from Munich Airport or Munich Central Station:

- *By rental car from airport (approx. 40min, most flexible option)*  
Highway A92, A99 and then A96 always following the signs to "Lindau"; Exit 32 Oberpfaffenhofen. At the traffic light at the highway exit turn left and follow the sign to Herrsching/Oberpfaffenhofen/Wessling. The DLR gate is then after 1km on the left hand side. Detailed directions are given [here](#).
  - *By public transport from airport (approx. 80min)*  
At Munich airport take the rapid-transit railway line (S-Bahn) S1 (faster) or S8. At station Laim take line S5 in the direction of Herrsching. Leave the train at Germering and take a taxi there.  
  
S-Bahn network map and time table:  
[http://www.mvv-muenchen.de/web4archiv/objects/download/2/schnellbahnnetz\\_2007.pdf](http://www.mvv-muenchen.de/web4archiv/objects/download/2/schnellbahnnetz_2007.pdf)  
<http://www.mvv-muenchen.de/en/index.html>
  - *By taxi from airport (approx. 40min)*  
From Munich airport to DLR the taxi fee amounts to approx. 90 EUR.
  - *By train*  
Take a train to "München-Hauptbahnhof" (central station). From there take S-Bahn line S5 in the direction of Herrsching. Leave the train at Germering and take a taxi there.
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### Recommended Hotel:

Hotel Seehof Weßling  
Seeweg 4  
82234 Weßling  
Tel. +49 8153 / 935 0  
Fax +49 8153 / 93 54 35  
[office@hotelseehof.de](mailto:office@hotelseehof.de)  
[www.hotelseehof.de](http://www.hotelseehof.de)

### Alternatives:

Gasthof Hotel Seehof  
Seestrasse 58  
82211 Herrsching  
Tel. +49 8152 / 93 50  
Fax +49 8152 / 93 51 00  
[info@seehof-ammersee.de](mailto:info@seehof-ammersee.de)  
[www.seehof-ammersee.de](http://www.seehof-ammersee.de)

Hotel Huber  
Bahnhofsplatz 1  
82210 Germering  
Tel. +49 89 / 89 41 70  
Fax +49 89 / 41 73 33  
[info@hotel-huber.de](mailto:info@hotel-huber.de)  
[www.hotel-huber.de](http://www.hotel-huber.de)

Hotel-Garni Thalmeier  
Sonnenstrasse 55  
82205 Gilching  
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